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Report of the Chief,

FOREST SERVICE

1972 - 1973 *cl. 27*



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United States Department of Agriculture

U.S. DEPARTMENT OF AGRICULTURE,
FOREST SERVICE,
Washington, D.C., August 1974

HON. EARL L. BUTZ
Secretary of Agriculture

DEAR MR. SECRETARY:

During 1972 and 1973, Forest Service efforts have focused on providing or supporting programs by which the Nation's forest and forest-related lands can produce adequate goods and services for the people of this Nation, while at the same time protecting the environment.

During those 2 years the 187 million acres of National Forests and National Grasslands were called upon to provide timber, water, oil and minerals, recreation and wilderness, wildlife habitat, and livestock forage in ever-increasing amounts.

The Research arm of the Forest Service found new ways to provide more and better goods and services from all of America's forest-related resources. The State and Private Forestry arm cooperated with Federal, State, and private forest owners to best utilize these resources.

This report can no more than briefly summarize Forest Service efforts during the last 2 years, and there are many programs and accomplishments which must go unmentioned. However, all of these accomplishments reflect the work of thousands of employees, as well as employees of other Federal and State agencies, and private individuals.

I wish also to acknowledge the unstinting dedication and leadership of my predecessor, Chief Ed Cliff, for his efforts through April 1972.

His achievements are still reflected in the Forest Service today, not only in completed endeavors, but also in ongoing programs which he initiated.

Perhaps the most far-reaching accomplishment of this period will be the Environment Program for the Future. Still in its initial stages as 1973 ended, the program promises a new degree of planning and responsiveness to the public in Forest Service actions through the next 10 years, as well as direction toward a more balanced program.

With the leadership and support of the Department, the Forest Service will continue to guide the use of the Nation's forest resources to provide the greatest benefit to the owners of these forests, the American people.

Following is my report of major activities and accomplishments by the Forest Service, U.S. Department of Agriculture, for the calendar years of 1972 and 1973.

The narrative section is not intended to be a comprehensive listing of all major Forest Service accomplishments during the 2-year period, but rather to supplement the material contained in statistical tables which make up the bulk of the report.

Many Forest Service programs, particularly those which do not deal with measurable benefits, cannot be reflected adequately in statistical tables. Thus, the narrative is designed to highlight some of these programs. Where possible, subjects are cross-referenced to reports or documents from which more detail is available.



JOHN R. McGUIRE
Chief, Forest Service

Meeting Public Needs

WILDERNESS MANAGEMENT

One of the most rapidly increasing public demands has been for more Wilderness. During 1972 and 1973, the Forest Service sought to improve the quality and quantity of the Nation's wilderness system.

As prescribed by law, the Forest Service focused much of its attention during those 2 years on its study and recommendation project for the 34 Primitive Areas. By the end of 1973, public hearings had been held on all but two areas, and these were to take place in early 1974. This means that the deadline of September 1974, as set by the Congress, will be met.

When 1973 ended, 97 percent of the total Wilderness System (some 10.7 million of the 11 million acres) was in National Forests.

274 Study Areas

In one of the biggest public involvement programs ever attempted by any Government agency, the Forest Service inventoried all roadless areas of more than 5,000 acres (a total of 55.9 million acres) in the National Forest System.

In 300 public meetings held across the country, National Forest Supervisors and Regional Foresters asked citizens to help formulate a list of areas to submit to the Chief for consideration. The meetings attracted more than 25,000 people and stimulated more than 50,000 oral and written comments. As a result of this intense public involvement, as well as recommendations from legislators and other Government agencies, the Forest Service selected 274 areas, encompassing 12.3 million acres, for study under the same criteria as the primitive areas.

Eastern Wilderness Proposals

Also completed in 1973 was a proposed program focused on the National Forests in the East, the section of the Nation in greatest need of more areas with wilderness values. After holding public meetings in 21 Eastern States, the Forest Service selected 53 areas, which unlike most of the Western wilderness areas, had been restored to a near natural condition after earlier logging, farming, and mining. The Forest Service recommended that the Congress designate some of these areas as "instant" Wilderness and designate others for further study as possible Wilderness additions. Legislation to establish more Wilderness in the East was still under consideration at the end of 1973.

NATIONAL RECREATION AREAS

To help meet the Nation's needs for mass recreation, the Forest Service opened up two new National Recreation Areas. The Oregon Dunes National Recreation Area, encompassing 32,000 acres of coastal dunes within the Siuslaw National Forest, was dedicated on July 15, 1972. The Sawtooth National Recreation Area, dedicated on September 1, 1972, covers about 754,000 acres and includes some of the most beautiful portions of three National Forests—Boise, Challis, and Sawtooth.

ENDANGERED SPECIES

Guidelines for the major task of protecting and managing the habitat of endangered species were contained in a 1972 survey entitled "Present Status and Needs of Habitat Maintenance and Improvement for Rare and Endangered Species on Forest Service Administered Lands."

Of the 109 endangered species in the United States, 38 are found on or near National Forest System lands.

INTENSIVE MANAGEMENT OF TIMBER

Three major reports on timber in the United States were issued during 1973.

A Forest Service report, "The Outlook for Timber in the United States," inventoried the Nation's timber resources available to meet the country's needs for housing material and hundreds of other wood products. Using data and conclusions from this report, the President's Advisory Panel on Timber and the Environment recommended methods for increasing timber supplies. The National Commission on Materials Policy, created by the Resource Recovery Act of 1970, issued its findings in a volume entitled "Timber: The Renewable Material."

These three reports reached the same conclusion—that the United States must maintain environmental quality while meeting the Nation's timber needs, in the face of predicted future timber shortages. Also that increased investments will be required to: (1) intensify growth rates of timber in domestic forests; (2) improve product yields from presently available supplies of wood; (3) expand research and application efforts in solving problems of environmental protection, timber, and nontimber uses of the Nation's forests.

Forestry Incentives

To help avert a timber shortage, the Congress authorized a Forestry Incentives Program (FIP) as part of the 1973 Farm Bill (Public Law 93-86).

It is a cost-share program dedicated to increasing future timber supplies in the most cost-effective way on small, private, nonindustrial commercial forest land.

Extending Wood Use

Another aspect of Forest Service efforts to grow and use timber more efficiently is a progressive research program. This program includes Project STRETCH, a research action program aimed at increasing lumber mill efficiency through the use of computers and new sawing and gluing techniques. This project already shows promise for improving wood products and increasing yields up to 50 percent. STRETCH includes research into using ultrasonic sound waves to determine defects in logs before they are processed into timber. At the same time, scientists are also developing computer systems to make processing decisions, since man is incapable of integrating defect information, processing alternatives and end-product criteria to make processing decisions correctly at the required production speeds.

One immediate application of STRETCH was the Sawmill Improvement Program, initiated in July 1973. Teams of Forest Service and State Forestry mill analysis specialists showed cooperating mills in 32 States how to increase both their output and the quality of their finished products.

Based on findings from the first 108 participating mills, and projected to cover the target goal of 230 mills, estimates show that lumber production from the same volume of logs could be increased considerably. By eliminating excessive sawing variation, reducing planing

losses, and eliminating oversizing through quality control alone, these 230 mills could increase their lumber output by 13 percent or 508 million board feet. This would be without making any major expenditures. If the mills would follow these steps, and install computerized sawing equipment and log scanning devices, the production could be increased by 35 percent, or 1.36 billion board feet.

RANGELAND STUDY

Timber production was not the only area in which the Forest Service had to define the delicate balance between the need for products and the urgency of protecting the environment. This concern extended to the grazing of livestock on National Forest rangelands and National Grasslands.

To obtain more information on the present and future impact of livestock grazing on the environment, the Forest Service, along with a number of other Government agencies and the University of Nebraska, undertook a study of all forest and related rangelands in the 48 contiguous States.

The study, called the Forest-Range Environmental Study (FRES), defined land-management policy alternatives necessary to meet increasing range requirements in the future, while enhancing the quality of the natural environment—all at the smallest cost. The alternatives were applied to lands managed by the Forest Service and to other lands which might benefit from technical assistance.

Protecting the Environment

ENVIRONMENTAL IMPACT STATEMENTS

During the last 2 years the Forest Service has committed considerable time, effort, and funds to meeting both the word and the spirit of the National Environmental Policy Act of 1969. The Forest Service filed 92 statements during 1972, and 175 during 1973.

A Forest Service study revealed that the cost of implementing NEPA during Fiscal Year 1972 was estimated at \$13 million. However, since the work that would have been done even without NEPA totaled \$5 million, the cost that can be attributed solely to NEPA was \$8 million. The estimated cost of implementing NEPA rose to \$20 million in 1973.

PUBLIC INVOLVEMENT

In harmony with the stated NEPA philosophy, the Forest Service during the past 2 years devoted much manpower and time to informing and involving the American people in land and resource problems and opportunities. The program, called Inform and Involve,

was launched in 1971. In 1972-73 it took firm root in the National Forest System, Research, and State and Private Forestry decisionmaking approaches to involve vast numbers of citizens, organizations, and industries interested in the wise use of our Nation's lands.

The objective of the program is to inform the public of the scientific, social, environmental, and economic factors that relate to land and resource management, and to seek meaningful public involvement and comment, leading to better land and resource management.

ENVIRONMENTAL EDUCATION

During the past 2 years, the Forest Service was able to expand its environmental education program considerably. About 250 additional Forest- and District-level employees have been trained to conduct environmental education workshops. More than 300 sessions, involving nearly 13,000 teachers, resource agency people, and other interested citizens have been held throughout the United States.

HUMAN RESOURCE PROGRAMS

The Forest Service renewed its emphasis on people-oriented programs.

During the past 2 years, the Youth Conservation Corps (YCC) has been perhaps the most popular Forest Service human resource program, as well as a highly successful environmental effort. Begun in 1971 as a 3-year pilot program, YCC is operated as a cooperative venture between the Departments of Agriculture and Interior. With funds of \$1.75 million in the summer of 1972, the Forest Service employed 1,857 young people, between the ages of 15 and 18, on 47 different projects. In the summer of 1973, \$1.75 million was available to hire 1,874 youths for 49 projects.

Through an agreement with the Department of Labor, the Forest Service operated 20 Job Corps Conservation Centers for disadvantaged young men from 16 through 21. About 12,500 enrollees received education, vocational training, and social living skills during each of the past 2 years. The program was very successful in finding jobs for graduates, with 76 percent placed in 1972 and 86 percent in 1973.

In those same 2 years, the Forest Service continued to be a sponsor for the national Operation Mainstream program, which is funded by the Department of Labor to provide supplemental income and job training for low income, rural residents 55 years of age and older. In 1973, 775 enrollees were assigned to National Forests in 21 States.

Other cooperative manpower programs for the last 2 years included Neighborhood Youth Corps, Green Thumb, College Work-Study, the Work Incentive Program, and the Supplemental Training and Employment Program (STEP).

The first full year of operation for Volunteers in the National Forests was 1973. It is a program designed to encourage interested citizens to assist in conservation work on public lands. Approximately 2,200 volunteers participated.

NATIONAL FOREST LAND USE POLICY

While the Forest Service was expanding its human resource programs, it also sought to strengthen its programs for better and more efficient use of the land and related natural resources. One of the major accomplishments in this direction was the issuance of major policy and direction for National Forest land-use planning activities.

Culminating 2 1/2 years of Service-wide effort, the updated policy incorporates the experience of planners, nationwide, both in and out of the Service. Key elements of the policy are the interdisciplinary approach, early and continued public involvement, and development of alternative courses of action.

The Secretary has clearly instructed the agencies in the Department to proceed with land-use planning programs related to Department activities (some 80 in all).

THE LANDSCAPE RESOURCE

Because of its concern for providing forest products while protecting forest esthetics, the Forest Service issued the first of a series of booklets focused specifically on that subject.

The first volume, entitled "National Forest Landscape Management," was issued in May 1973. It is being used as a basic manual throughout the 187 million acres of the National Forest System to identify visual characteristics of the landscape and to analyze the visual effects which can result from various management actions.

ACTION PLAN FOR QUALITY ENVIRONMENT

In mid-1972, the Service issued a comprehensive document entitled "National Forests in a Quality Environment—Action Plan." The plan dealt with forest land esthetics, timber harvesting, regeneration practices, planning and administering major forest actions, road construction, and research.

The Action Plan resulted from 2 years of intensive effort to identify and solve land management problems within the National Forests. The plan defined Forest Service policies and solutions for 30 specific problems concerning timber management practices.

MINING AND THE ENVIRONMENT

Oil and minerals are among the major products produced by the National Forest System. Approximately \$100 million worth of these raw materials are taken from National Forest System lands each year. At the same time, more and more prospectors are seeking new mineral and oil deposits to develop as the fear of shortages grows.

Two major programs were developed by the Forest Service to allow development of the mineral resources the Nation will need, while providing for protection of the environment, particularly where surface mining is involved.

Proposed New Mining Regulations

In late 1973, the Forest Service proposed regulations for 140 million acres of National Forest land, including Wilderness, that are subject to location and entry under the U.S. mining laws of 1872. The regulations, which may be activated in September of 1974, will have no effect on development of oil, gas, and coal deposits

already regulated under the Mineral Leasing Act of 1920.

For much of the other exploration and mining, the proposal would require the prospector or miner to submit to the Forest Service an operating plan spelling out how the prospector or miner expects to search for or develop deposits, and how the surface of the explored or mined areas will be restored to a natural-looking state. The Forest supervisor could then approve, disapprove, or modify the plan.

SEAM For Better Ideas

The second program, which actually got underway in 1973, is tied directly to the energy problem. A considerable amount of the coal is under the surface of National Forests and National Grasslands, particularly in the Northern Great Plains.

As a means of establishing planning and reclamation alternatives which satisfy both mineral production and environmental needs, the Forest Service launched a 5-year research, development, and applications program called SEAM (Surface Environment and Mining).

It is an on-the-ground, problem-solving effort initially concentrated in the West, with headquarters at Billings, Mont. Work was begun on the goals of establishing demonstration areas where new techniques in preliminary design of mining operations, new methods of rehabilitation, new mining technologies, and environmental stewardship criteria can be evaluated and displayed.

As the program develops, it will be extended to other locations to consider problems associated with mineral development—phosphate mining in Idaho and Florida, coal mining in Appalachia, and iron and copper-nickel mining in Minnesota.

The SEAM program is closely coordinated with the Northern Great Plains Resources Program, in which the Forest Service has participated. The program was initiated to study coal developments in Montana, Wyoming, the Dakotas, and Nebraska and was undertaken jointly by the Department of Agriculture, the Department of Interior, the Environmental Protection Agency, and the five States.

OFF-ROAD VEHICLES CONTROL

Possible conflicts over the use of National Forest lands surfaced in a relatively new area, as the use of off-road vehicles became a highly popular recreational pastime. In February 1972, Executive Order No. 11644 called for regulations to control indiscriminate use of off-road vehicles in order to protect wildlife, vegetation, and other natural resources, to insure public safety, and to minimize conflict with other users of public lands. The vehicles in question include four-wheel drives,

motor scooters, motorcycles, all-terrain vehicles, dune buggies, and snowmobiles.

The Forest Service established such regulations in October 1973. Supervisors of all National Forests have until December 31, 1976, to designate areas where off-road vehicles will be allowed, prohibited, or, to various degrees, restricted.

FIRE MANAGEMENT AS A TOOL

Although the Forest Service has long recognized the beneficial role of fire in forest ecosystems, the last 2 years have seen great strides in developing techniques to use fire to control forest disease, eliminate undesirable forest growth, expose mineral soil for successful seed germination, reduce forest underbrush that forms fuel for disastrous wildfires, and improve wildlife habitat.

In fact, in 1972 the Forest Service initiated the White Cap Study in the mountains of Idaho's Selway-Bitterroot Wilderness Area. In this study, Forest Service personnel let natural wilderness fires burn under carefully monitored conditions, in a 20-mile-long, 5-mile-wide section of the White Cap Drainage Area. Scientists felt that fire prevention constituted a human influence upon a wilderness area, probably upsetting the natural forest ecosystem.

INSECTS, DISEASE PROBLEMS

The mild weather experienced during the past 2 years, coupled with various other contributing factors, has enabled insect and disease populations to expand to record levels throughout most regions of the country.

The greatest amount of attention has been commanded by only five insects—the southern pine beetle, mountain pine beetle, spruce budworm, gypsy moth, and Douglas fir tussock moth.

In the South and the Southeast, southern pine beetle populations have been larger than at any time in the recorded past. The outbreak expanded to include 47 million acres of commercial pine forest, with the same high levels of infestation expected to continue during 1974.

Mountain pine beetle infestations occurred throughout the West, with populations building up in the Black Hills of South Dakota, in Idaho and Wyoming near Yellowstone National Park, and along the Front Range of Colorado.

The spruce budworm remained in outbreak status across the northern half of the country defoliating 2.5 million acres in Maine, 1.5 million in the Lake States, and 4.6 million in the Northern Rocky Mountains. As 1973 ended, spruce budworm populations were increasing, especially in the Western States.

The gypsy moth continued to infest stands in the Northeast, with 1.4 million acres of hardwoods defoliated during 1973.

Tussock Moth Campaign

Douglas fir tussock moth populations increased into epidemic status during the past 2 years, causing approximately one billion board feet of mortality and growth loss valued at \$54.8 million. As of December 1973, no chemicals had been registered for use against this defoliator.

(In early 1974, the Environmental Protection Agency authorized emergency use of DDT for control of the tussock moth. The Forest Service estimated that aerial application of DDT on some 400,000 acres of forest in Oregon, Washington, and Idaho would be required during 1974 to control the tussock moth outbreak.)

At the same time, research was being accelerated to find alternatives to DDT. The Forest Service is seeking safer, more effective chemicals to thwart other insect outbreaks, as well as the tussock moth. The Forest Service has also been testing integrated programs of natural biological control agents and chemicals in combination with salvage logging of timber in seriously affected areas. For instance, scientists have developed a formulation of a natural virus and a bacterium which shows promising potential in controlling the tussock moth.

Whenever possible, other treatment measures were used in lieu of chemicals, to combat disease and insect outbreaks during the past 2 years.

Preparing for the Future

ENVIRONMENTAL PROGRAM FOR THE FUTURE

Only historic retrospect will tell us, but it is possible that the Environmental Program for the Future (EPFF) will be a landmark in the development of American forestry.

The EPFF sets a planning horizon of 10 years ahead, establishing for each of the six National Forest resource systems—Land and Water, Timber, Recreation and Wilderness, Range, Wildlife and Fish Habitat, Human and

Community Development—three alternative supply plans. Advanced description of these alternatives and their likely consequences will provide the Congress, land managers, and the public an opportunity to help plan, finance, and manage national forestry programs in a systematic manner.

The EPFF would fit the requirement of legislation now being considered by the Congress—submission of Forest Service long range plans to give the Congress a substantive knowledge of our proposed goals 5 and 10 years into the future.

LEGISLATION HIGHLIGHTS
MAJOR RESEARCH PUBLICATIONS
STATISTICAL TABLES

Major Legislation Enacted in 1972 Affecting Forest Service Activities

Additional Funds for Cooperative Forestry and Fire Prevention Programs (P.L. 92-288)—Increased the authorization for Federal assistance in cooperative forest fire control from \$20 million to \$40 million annually, increased the cooperative forest management program authorization from \$5 million to \$20 million annually, and broadened Forest Service authority for providing urban forestry assistance to State Foresters.

Rural Development Act of 1972 (P.L. 92-419), Title IV - Rural Community Fire Protection—Authorizes the Secretary of Agriculture to provide financial, technical, and other assistance to State Foresters and/or other appropriate State officials to organize, train, and equip local fire suppression forces, through cooperative agreements in which the Secretary may finance up to 50 percent of the cost, the balance to be matched by the States.

Federal Water Pollution Control Act Amendments of 1972 (P.L. 92-500)—Some of the more significant aspects of the act which relate to Forest Service activities include: Allowing any individual to sue a Federal agency for failure to comply with State water quality standards, and requiring Federal agencies to comply with State Water Quality and Pollution Controls Standards.

Extending for 5 years the Indian Claims Commission (P.L. 92-265)

McQuinn Strip (P.L. 92-427)—Conveyed 67,360 acres of the Mount Hood National Forest (the McQuinn Strip) to the Confederated Tribes of the Warm Springs Reservation.

Payson Band (P.L. 92-470)—Provided for the acquisition of a village site for the Payson Community of the Yavapai-Apache Indians of up to 80 acres from the Tonto National Forest.

Changes in National Forest Lands (P.L. 92-474)—Modified boundaries of the Santa Fe, Gila, Cibola, and Carson National Forests in New Mexico (P.L. 92-465) and authorized the Secretary to exchange certain lands in the Carson and Santa Fe National Forests, New Mexico, for the Ghost Ranch Museum complex.

Disputed Land Titles (P.L. 92-562)—Permits private citizens to sue the U.S. Government to allow adjudication of disputed land titles involving Federal lands. This

act gives private claimants "standing in court" and has a 12-year, cutoff date at which time no claim over 12 years old can be brought to court.

Cooperative Law Enforcement on National Forests (P.L. 92-82)—Authorized the Secretary of Agriculture to cooperate with State and local civil authorities in enforcing State and local laws on lands within the National Forests, and authorized funds for reimbursing States for such cooperative law enforcement.

Volunteers in the National Forests Act (P.L. 92-300)—Authorizes the Secretary of Agriculture to recruit and accept volunteer services to benefit Forest Service activities; authorizes reimbursement of the volunteer for his actual expenses; and provides coverage for the volunteer under Federal Torts Claim and Compensation provision.

Expansion of Youth Conservation Corps (P.L. 92-597)—Expanded the Youth Conservation Corps Program to \$30 million and \$60 million for FY '73 and '74 and authorized a pilot grant program for similar State projects for which up to 30 percent of the Federal YCC funds can be made available.

Golden Eagle (P.L. 92-347)—Restored the Golden Eagle Program to the Land and Water Conservation Fund Act, providing an indefinite extension of the annual \$10 permit, establishing a free permit called Golden Age Passport for any person 62 and older, and providing for collection of a "reasonable daily fee" at specialized sites.

Rockefeller Parkway (P.L. 92-404)—Established the John D. Rockefeller, Jr. Memorial Parkway in Wyoming. More than 23,000 acres of the Teton National Forest will be transferred to Interior for the parkway.

National Recreation Areas—Oregon Dunes NRA in the Siuslaw National Forest (P.L. 92-260) and Sawtooth NRA in Idaho (P.L. 92-400).

Wildernesses—The following wilderness bills were approved: Eagle Cap Wilderness, Oregon (P.L. 92-521); Washakie Wilderness, Wyoming (P.L. 92-476); Scapegoat Wilderness, Montana, (P.L. 92-395); Pine Mountain Wilderness, Arizona (P.L. 92-382); Sycamore Canyon Wilderness, Arizona (P.L. 92-241); Sawtooth Wilderness, Idaho (P.L. 92-400); Indian Peak, Colorado Wilderness Study Area, Colorado (P.L. 92-528).

Major Legislation Enacted in 1973 Affecting Forest Service Activities

Agriculture and Consumer Protection Act of 1973 (P.L. 93-86)—Title 4 of this act authorized a pilot forestry incentives effort to assist private, nonindustrial forest land owners in practicing forest conservation and in improving the quality and volume of timber grown on private lands. The law provides for the Secretary of

Agriculture using a contract approach and in consultation with the State Foresters, to distribute funds to private forest land owners.

Authorize the Sale of Klamath Indian Lands (P.L. 93-102)—This act provided authority and \$70 million in funds for the Forest Service to acquire by condemnation

the Klamath Indian tribal forest lands in southern Oregon for addition to the Winema National Forest.

Amendment to Land and Water Conservation Fund Act (P.L. 93-81)—Prohibited charging fees for those facilities which all visitors might reasonably expect to use and specifically prohibited charging for boat

launches which do not have hydraulic equipment. Also prohibited charging campground fees unless the campground provides flush toilets, showers, sanitary waste stations, visitor protection and control, as well as potable water, trash cans, and roads. (Subsequently amended in 1974 by P.L. 93-303).

Major Research Publications, 1972-1973

Anderson, L. O., T. B. Heebink, and A. E. Oviatt. 1972. *Construction Guides for Exposed Wood Decks*. Agriculture Handbook No. 432. 78 pp.

Construction guides to design, finishing, and treatment of wood decks. Both good and poor construction details are amply illustrated for the benefit of architects, builders, and homeowners.

Baker, Whiteford L. 1972. *Eastern Forest Insects*. USDA Misc. Publ. 1175. 642 pp.

This publication updates and makes available information on the biology and ecology of many important forest insect species as a basis for new and improved methods of control.

Bennett, W. H. and H. E. Ostmark. 1972. *Insect Pests of Southern Pines*. 38 pp.

Describes the identification, habits, and control of the common insect pests of all 10 southern pine species. It provides foresters, landowners, county agents, and others with current information in an easily understood form, and emphasizes silvicultural and other control alternatives in lieu of chemical control.

Deeming, John E., James W. Lancaster, Michael A. Fosberg, R. William Furman, and Mark J. Schroeder. 1972. *National Fire-Danger Rating System*. USDA Forest Service Research Paper RM-84. Rocky Mountain Forest and Range Experiment Station. 165 pp.

Fischer, William C., Charles E. Hardy. 1972. *Fire-Weather Observers' Handbook*. USDA Forest Service, Intermountain Forest and Range Experiment Station. 152 pp.

Franklin, Jerry F., Frederick C. Hall, C. T. Dyrness, and Chris Maser. 1972. *Federal Research Natural Areas in Oregon and Washington—A guidebook for scientists and educators*. Pacific Northwest Forest and Range Experiment Station, Forest Service USDA, Portland, Oreg. 420 pp.

Describes the physical and biological features of Research National Areas on Federal lands in Oregon and Washington.

Summaries for each area include brief ecological description at the time of establishment. A key reference for scientists and educators who study the biota and ecological processes of selected natural environments.

Hawksworth, Frank G., and Delbert Wiens. 1972. *Biology and Classification of Dwarf Mistletoes (Arceuthobium)*. USDA Handbook No. 401. 234 pp.

Presents a classification system and detailed taxonomic descriptions for the dwarf mistletoes, among the most damaging parasites of North American conifers.

Liu, Tang-shi. 1971. *A monograph of the genus Abies*. Department of Forestry, College of Agriculture, National Taiwan University, Taipei, Taiwan, China. 608 pp.
Book is useful in the identification of the true firs, in hybridization studies, and in selecting the proper species to be planted for forest production and other uses.

McKell, C. M., J. P. Blaisdell, and J. R. Goodin. 1972. *Wildland shrubs—their biology and utilization, an international symposium*. Utah State University, Logan, Utah, July 1971. USDA Forest Service Gen. Tech. Rep. INT-1. 494 pp.

Proceedings of the International Shrub Symposium covers the "Continental Aspects of Shrub Distribution. Present Utilization and Potential for the Future" with special emphasis on "Genetics" as probably one of the most neglected areas in the biology of shrubs.

Scheffer, T. C. and A. F. Verrall. 1973. *Principles for Protecting Wood Buildings from Decay*. USDA Forest Service Research Paper FPL 190. 56 pp.

Discusses the principal moisture situations and construction features most responsible for the occurrence of decay in various parts of wood buildings, and gives information to appropriately modify and eliminate undesirable conditions.

U.S. Department of Agriculture, Forest Service. 1972. *Aspen Symposium Proceedings*. Gen. Tech. Rep. NC-1. 154 pp.

Contains 25 technical papers on the aspen resource and its potential inventory projections, economics, wood and fiber products, silvics and ecology, diseases and insects, growth and yield, and various aspects of management in the Lake States and Canada.

USDA Forest Service. 1973. *Black Walnut As A Crop*. Gen. Tech. Rep. NC-4. 114 pp.

Proceedings of black walnut symposium held at Carbondale, Ill., in August 1973 on progress and recommendations for efficient use of walnut resources.

USDA Forest Service. 1973. *The Demand and Price Situation for Forest Products, 1972-73*. Misc. Pub. 1239. 87 pp.

A statistical and analytical report on production, international trade, consumption, and prices of forest products.

USDA Forest Service. 1973. *The Outlook For Timber In the United States*. Forest Resource Rep. 20. 367 pp.

A comprehensive appraisal of the present and prospective timber situation.

USDA Forest Service. 1972. *Projections of Demand for Housing by Type of Unit and Region*. Agriculture Handbook 428. 76 pp.

The study presents a computer model for projecting longrun demand for housing, with projections under alternative assumptions about population and economic growth to 2020.

USDA Forest Service. 1973. *Sand Pine Symposium Proceedings*. Gen. Tech. Rep. SE-2. 253 pp.

Synthesizes research information on the distribution, wood properties, seed development, nursery prac-

tices, site characteristics, planting, and management of two varieties of sand pine. Provides land managers from Florida to South Carolina with multiple use options and improved productivity on dry sandhill areas.

USDA Forest Service. 1972. *Silvicultural Systems for the Major Forest Types of the United States*. USDA Handb. 445. 124 pp.

Silviculture Handbook summarizes options for all major forest types in the United States. This handbook synthesizes research information regarding biologically feasible systems of forest culture for harvesting, renewing, and maintaining 37 major forest types in the Nation. It presents systems appropriate for intensive timber production as well as systems for combining timber production with other forest uses. It describes limitations in the use of certain systems imposed by species requirements, natural hazards, and the makeup of existing stands.

USDA Forest Service. 1972. *The Timber Resources of Maine*. Forest Resource Bull. NE-26. 129 pp.

A statistical and analytical report on the timber resources of Maine and timber management opportunities.

USDA Forest Service - North American Forestry Commission, FAO.

Fire in the Environment. Symposium Proceedings, May 1-5, 1972. Denver, Colo. 151 pp., illus.

Viereck, L. A., and E. L. Little, Jr. 1972. *Alaska Trees and Shrubs* U.S. Dept. Agric. Handb. 410. 259 pp.

Describes and illustrates the 33 trees and 94 shrubs native to Alaska. Includes range maps, a key for identification of the woody plants during summer and winter, and a large color map showing the type of tundra and forest.

National Forest and Other Lands Administered by the Forest Service

As of June 30, 1972 and June 30, 1973

(In Acres)

State and Commonwealth	National Forests, Purchase Units, Research Areas and Other Areas		National Grasslands		Land Utilization Projects		Total	
	1972	1973	1972	1973	1972	1973	1972	1973
Alabama-----	634,741	636,415	-	-	-	-	634,741	636,415
Alaska-----	20,723,028	20,717,236	-	-	-	-	20,723,028	20,717,236
Arizona-----	11,422,784	11,434,616	-	-	-	-	11,422,784	11,434,616
Arkansas-----	2,457,685	2,459,982	-	-	-	-	2,457,685	2,459,982
California-----	20,050,952	20,054,936	-	-	19,115	19,115	20,070,067	20,074,051
Colorado-----	13,748,719	13,748,900	612,153	612,153	560	560	14,361,432	14,361,613
Connecticut (Forest Insect and Disease Lab)-	10	10	-	-	-	-	10	10
Florida-----	1,081,459	1,081,615	-	-	-	-	1,081,459	1,081,615
Georgia-----	842,070	843,586	-	-	9,340	9,340	851,410	852,926
Idaho-----	20,304,235	20,300,090	47,659	47,659	-	-	20,351,894	20,347,749
Illinois-----	247,572	250,804	-	-	-	-	247,572	250,804
Indiana-----	167,914	172,885	-	-	324	324	168,238	173,209
Iowa-----	-	-	-	-	360	360	360	360
Kansas-----	206	206	107,708	107,700	-	-	107,914	107,906
Kentucky-----	616,757	625,957	-	-	-	-	616,757	625,957
Louisiana-----	594,849	595,215	-	-	-	-	594,849	595,215
Maine-----	49,638	49,638	-	-	465	465	50,103	50,103
Michigan-----	2,686,042	2,692,424	-	-	1,536	1,078	2,687,578	2,693,502
Minnesota-----	2,796,564	2,797,049	-	-	-	-	2,796,564	2,797,049
Mississippi-----	1,136,313	1,136,729	-	-	-	-	1,136,313	1,136,729
Missouri-----	1,428,078	1,431,486	-	-	12,938	12,944	1,441,016	1,444,430
Montana-----	16,704,075	16,706,496	-	-	-	-	16,704,075	16,706,496
Nebraska-----	256,223	256,618	94,344	94,344	-	-	350,567	350,962
Nevada-----	5,108,731	5,110,627	-	-	-	-	5,108,731	5,110,627
New Hampshire-----	683,203	683,254	-	-	-	-	683,203	683,254
New Mexico-----	8,967,773	9,090,105	136,505	136,505	92,217	240	9,196,495	9,226,850
New York-----	-	-	-	-	13,779	13,259	13,779	13,259
North Carolina-----	1,135,448	1,137,124	-	-	-	-	1,135,448	1,137,124
North Dakota-----	796	796	1,104,438	1,104,789	-	-	1,105,234	1,105,585
Ohio-----	154,173	159,873	-	-	-	-	154,173	159,873
Oklahoma-----	243,914	244,384	46,758	46,758	-	-	290,672	291,142
Oregon-----	15,374,270	15,334,034	106,138	106,138	-	-	15,480,408	15,440,172
Pennsylvania-----	495,882	499,034	-	-	-	-	495,882	499,034
Puerto Rico-----	27,998	27,998	-	-	-	-	27,998	27,998
South Carolina-----	598,286	604,502	-	-	-	-	598,286	604,502
South Dakota-----	1,123,355	1,122,403	862,347	862,549	-	-	1,985,702	1,984,952
Tennessee-----	613,780	617,652	-	-	-	-	613,780	617,652
Texas-----	659,192	661,780	117,288	117,288	-	-	776,480	779,068
Utah-----	8,042,711	8,050,995	-	-	-	-	8,042,711	8,050,995
Vermont-----	243,383	246,080	-	-	-	-	243,383	246,080
Virgin Islands (Estate Thomas Experimental Forest)-----	147	147	-	-	-	-	147	147
Virginia-----	1,538,438	1,589,412	-	-	-	-	1,538,438	1,589,412
Washington-----	9,066,535	9,067,141	-	-	725	725	9,067,260	9,067,866
West Virginia-----	950,055	954,403	-	-	-	-	950,055	954,403
Wisconsin-----	1,489,440	1,491,026	-	-	150	160	1,489,590	1,491,186
Wyoming-----	8,674,534	8,702,578	572,315	572,319	-	-	9,246,849	9,274,897
Nationwide-----	183,141,958	183,388,241	3,807,653	3,808,202	151,509	58,570	187,101,120	187,255,013

Forest Service Receipts and Expenditures

Fiscal Years 1972 and 1973

Item	Fiscal Year 1972		Fiscal Year 1973	
	Receipts	Expenditures	Receipts	Expenditures
National Forest programs:				
Cash receipts and appropriation expenditures-----	\$419,445,130	\$551,756,196	554,210,891	\$558,613,527
Cash receipts from National Forest land collected in conjunction with and deposited to accounts of other agencies (Federal Power Commission, Department of the Interior)-----	31,775,098	-	34,114,240	-
Noncash income and expense (Roads built by timber purchasers)-----	52,253,859	52,253,859	67,946,011	67,946,011
Total-----	503,474,087	604,010,055	656,271,142	626,559,538
Forest research programs:				
Forest research appropriations-----	-	54,443,511	-	57,751,629
Research construction-----	-	1,469,886	-	353,248
Cooperative research work-----	702,611	709,439	777,373	690,147
Total-----	702,611	56,622,836	777,373	58,795,024
State and Private Forestry programs:				
Fire protection, tree distribution, and forest man- agement cooperation-----	-	27,542,201	-	27,702,312
Assistance to States for tree planting-----	-	1,012,596	-	1,024,213
Insect and Disease control-----	-	3,255,479	-	5,110,663
Flood prevention and watershed protection-----	-	3,940,124	-	5,742,462
Forest fire protection "Smokey Bear"-----	211,071	152,826	228,373	218,674
Cooperative funds-----	2,834,195	2,658,065	2,588,244	2,566,142
Total-----	3,045,266	38,561,291	2,816,617	42,364,466
Work for other Government agencies and non-Government persons and firms:				
Manpower Training Activities-----	-	28,303,600	-	27,592,213
Land and Water Conservation program-----	¹ 835,639	30,335,391	² 147,703	27,560,636
Miscellaneous work for other Government agencies-----	7,561,569	20,443,520	6,037,977	20,246,798
Work performed for non-Government persons, firms, etc:				
Cooperative work-----	1,259,460	1,242,832	1,445,694	1,404,936
Reimbursed-----	1,404,595	1,404,595	2,234,943	2,234,943
Total-----	11,061,263	81,729,938	9,866,317	79,039,526
Total Receipts and Expenditures-----	518,283,227	780,924,120	669,731,449	806,758,554
Internal equipment and supply service (working capital fund) financed primarily by charges included above to Forest Service programs-----	36,264,949	32,936,391	37,061,037	34,571,779

¹Receipts of \$773,792 from the sale of Federal Recreation area entrance permits, and \$61,847 from the sale of surplus property were deposited to the credit of the Department of the Interior (BOR) during Fiscal Year 1972 and were not included in the receipts from National Forest land (\$31,775,098) above.

²Receipts of \$147,703 from the sale of surplus property were deposited to the credit of the Department of the Interior (BOR) during Fiscal Year 1973 and were not included in the receipts from National Forest land (\$34,114,240) above.

NOTE.-Expenditures are on an obligation basis.

National Forest System Receipts Distributed to States or Counties

Receipts from National Forest Lands

Fiscal Years 1972 and 1973

	1971	Portion Distributed (Paid in FY 1972)	1972	Portion Distributed (Paid in FY 1973)	1973	Portion Distributed (Paid in FY 1974)
Receipts ¹ -----	\$226,696,810	-	\$338,887,337	-	\$455,216,805	-
Payments--25% Fund (Act of May 23, 1908 as amended)-----	-	\$56,648,064	-	\$84,676,129	-	\$113,668,668
Payments--Arizona-New Mexico School Fund (Act of June 20, 1910)-----	-	69,316	-	114,043	-	124,307
Payments--Minnesota Superior National Forest (Act of June 22, 1948)-----	-	259,038	-	259,038	-	259,038
Total-----	226,696,810	56,976,418	338,887,337	85,049,210	455,216,805	114,052,013

¹Excludes approximately \$5,552,849 due counties from fiscal year 1971 receipts on National Forest O and C lands. This amount was included in total receipts of \$7,403,799 transferred to Department of the Interior. Excludes approximately \$6,779,668 due counties from fiscal year 1972 total receipts of \$9,039,558 transferred to Interior. Also excludes approximately \$9,267,046 due counties from fiscal year 1973 total receipts of \$12,356,062 transferred to Interior. These amounts are distributed by the Department of the Interior under the Act of August 28, 1937 as amended.

Receipts from National Grasslands and Land Utilization Areas
(Calendar Year Basis)

	1971	Portion Distributed	1972	Portion Distributed	1973	Portion Distributed
Receipts-----	2,118,009	-	\$2,035,457	-	\$2,350,072*	-
Distributed by payments to counties (Act of July 22, 1937)-----	-	\$529,502	-	\$508,864	-	\$586,381
Total-----	2,118,009	\$529,502	\$2,035,457	\$508,864	\$2,350,072	\$586,381

*Overstated by \$4,548 - Will be adjusted in CY 1974

Summary of Forest Service Developed Recreation Sites by Type, Number, Capacity and Size

As of June 30, 1972

National Forest System

Type of Facility	Number of sites classed according to persons at one-time capacity									Acres	
	Under 26	26 to 75	76 to 150	151 to 300	301 to 600	601 to 1,000	Over 1,000	Total	Total capacity (PAOT)	Developed Site Portion	Periph- eral Portion
Observation sites-----	181	169	63	15	2	2	-	427	24,033	832	21,464
Playgrounds, parks, sports sites-----	7	9	7	5	3	1	1	33	6,481	594	1,070
Water sports sites:											
Boating-----	261	286	152	92	34	4	2	831	76,430	1,754	3,493
Swimming-----	7	75	85	107	29	8	5	316	65,250	736	1,062
Subtotal-----	268	361	237	199	63	12	7	1,147	141,680	2,490	4,555
Campgrounds:											
Family type-----	1,815	1,705	911	509	166	21	9	5,136	408,881	37,637	57,567
Group type-----	13	50	39	20	8	-	1	131	16,263	1,174	1,954
Picnic grounds:											
Family type-----	542	672	236	99	31	2	-	1,582	102,377	7,032	14,750
Group type-----	2	24	22	19	5	-	-	72	9,736	358	466
Subtotal-----	2,372	2,451	1,208	647	210	23	10	6,921	537,257	46,201	74,737
Hotel, lodges, resorts:											
Forest Service owned----	2	4	3	2	-	1	1	13	3,232	161	94
Privately owned-----	58	172	79	43	12	1	2	367	35,060	2,710	3,357
Subtotal-----	60	176	82	45	12	2	3	380	38,292	2,871	3,451
Organization camps:											
Forest Service owned----	4	18	24	16	-	1	-	63	7,818	1,052	967
Privately owned-----	57	102	194	122	19	1	2	499	66,944	5,690	4,869
Subtotal-----	61	120	218	138	19	2	2	560	74,762	6,742	5,836
Concession sites-----	46	61	24	3	5	3	2	144	18,587	830	2,696
Recreation residence sites	1,266	317	210	109	38	7	3	1,950	96,501	16,140	15,451
Winter sports sites-----	3	6	19	28	28	26	98	208	377,975	26,052	42,144
Interpretive sites:											
Major-----	4	11	6	10	2	2	1	36	7,846	398	4,286
Minor-----	77	70	34	14	5	1	-	201	14,261	642	9,037
Administrative-----	78	11	3	-	-	-	-	92	1,655	184	227
Information sites-----	33	16	9	10	2	3	-	73	7,842	116	161
Subtotal-----	192	108	52	34	9	6	1	402	31,604	1,340	13,711
Total, all types-----	4,456	3,773	2,120	1,223	389	84	127	12,172	1,347,172	104,092	185,115

Summary of Forest Service Developed Recreation Sites by Type, Number, Capacity and Size

As of June 30, 1973

National Forest System

Type of Facility	Number of sites classed according to persons at one-time capacity								Acres		
	Under 26	26 to 75	76 to 150	151 to 300	301 to 600	601 to 1,000	Over 1,000	Total	Total Capacity (PAOT)	Developed Site Portion	Peripheral Portion
Observation sites-----	182	163	64	16	2	2	-	429	24,298	836	21,432
Playgrounds, parks, sports sites-----	6	17	6	6	4	1	1	41	7,597	649	1,011
Water sports sites:											
Boating-----	268	288	150	91	41	4	2	844	78,941	1,916	4,499
Swimming-----	6	75	74	105	37	15	5	317	71,958	1,096	1,559
Subtotal-----	274	363	224	196	78	19	7	1,161	150,899	3,012	6,058
Campgrounds:											
Family type-----	1,571	1,683	913	512	170	22	9	4,880	407,709	37,831	68,341
Group type-----	11	56	40	25	6	-	1	139	16,715	1,224	2,299
Picnic grounds:											
Family type-----	526	642	211	89	26	2	-	1,496	94,061	458,619	14,429
Group type-----	1	29	22	19	4	-	-	75	9,721	361	451
Subtotal-----	2,109	2,410	1,186	645	206	24	10	6,590	528,206	498,035	85,520
Hotels, Lodges, Resorts:											
Forest Service owned----	3	4	3	2	-	1	1	14	3,242	162	95
Privately owned-----	58	168	78	45	12	2	1	364	35,606	2,584	3,327
Subtotal-----	61	172	81	47	12	3	2	378	38,848	2,746	3,422
Organization sites:											
Forest Service owned----	3	20	23	16	-	1	-	63	7,873	1,039	1,262
Privately owned-----	58	100	195	125	17	2	2	499	67,182	5,892	4,842
Subtotal-----	61	120	218	141	17	3	2	562	75,055	6,931	6,104
Concession sites-----	53	59	24	4	6	3	1	150	14,546	909	2,776
Recreation residence sites	1,284	319	210	109	37	7	3	1,969	95,813	14,890	15,303
Winter sports sites-----	6	7	20	27	28	26	104	218	397,991	25,638	49,112
Interpretive sites:											
Major-----	4	10	5	10	4	1	1	35	7,696	343	3,691
Minor-----	74	100	50	30	8	2	-	264	23,627	1,184	12,005
Administrative-----	75	10	3	-	-	-	-	88	1,740	200	253
Information sites-----	41	15	5	4	-	-	-	65	2,440	94	132
Subtotal-----	194	135	63	44	12	3	1	452	35,503	1,821	16,081
Total, all types-----	4,230	3,765	2,096	1,235	402	91	131	11,950	1,368,756	555,467	206,819

National Forest Recreation--Summary

(Thousands of Visitor-Days)

State and Commonwealth	Camping	Picnicking	Recreation Travel (mechanized)	Boating	Games and Team Sports	Waterskiing and Other Water Sports	Swimming and Scuba Diving	Winter Sports	Fishing
Alabama-----	168.4	79.4	190.6	24.2	0.3	7.1	40.4	-	67.7
Alaska-----	199.0	73.0	287.7	392.1	5.4	2.2	11.0	54.5	216.4
Arizona-----	2,087.8	574.6	2,334.0	314.0	91.9	175.3	231.5	44.7	666.7
Arkansas-----	489.5	138.9	606.3	107.0	2.4	13.7	173.0	-	325.5
California-----	15,647.0	1,173.9	11,206.2	690.6	261.8	219.2	1,476.0	1,287.6	3,574.7
Colorado-----	3,965.4	569.0	3,108.2	118.9	22.3	10.0	17.9	1,644.6	1,096.0
Florida-----	741.4	79.4	176.5	133.1	10.1	42.1	163.5	-	265.2
Georgia-----	617.6	53.2	582.7	40.1	5.1	14.9	25.8	1.8	180.5
Idaho-----	2,524.2	398.4	2,293.5	309.9	29.1	43.3	131.4	401.4	1,131.7
Illinois-----	174.1	49.5	178.7	9.6	1.0	-	15.7	-	26.2
Indiana-----	139.1	74.1	277.6	125.9	1.6	33.6	19.8	-	194.7
Kansas-----	2.7	8.5	18.1	-	-	-	-	-	0.6
Kentucky-----	171.5	86.8	277.2	60.6	3.0	8.5	9.0	-	95.8
Louisiana-----	148.4	35.3	60.5	13.6	0.8	-	19.4	-	27.9
Maine-----	11.5	3.1	8.2	0.2	0.1	-	0.7	-	2.7
Michigan-----	1,030.8	120.4	1,851.7	170.0	8.9	6.6	89.0	142.1	336.0
Minnesota-----	999.5	59.9	658.0	840.8	10.8	25.3	81.1	26.2	389.4
Mississippi-----	185.4	36.8	150.0	12.9	1.0	2.4	31.5	-	33.0
Missouri-----	393.5	125.6	345.7	183.7	5.5	5.7	84.7	-	158.1
Montana-----	1,479.6	321.1	1,759.1	151.8	17.2	17.6	63.5	376.3	644.1
Nebraska-----	27.7	20.4	8.9	1.6	1.9	0.4	2.3	0.2	7.2
Nevada-----	507.3	144.4	525.2	14.2	32.2	6.0	32.8	159.9	99.8
New Hampshire-----	654.6	37.3	522.5	1.9	1.2	0.1	44.0	289.4	17.2
New Mexico-----	1,071.1	313.5	620.1	7.4	29.9	-	10.3	131.8	220.2
New York-----	9.6	1.7	7.3	-	-	-	-	-	2.5
North Carolina-----	363.8	118.3	705.3	83.4	2.0	10.0	44.2	-	171.2
North Dakota-----	6.2	5.9	15.6	1.6	-	-	0.7	2.8	4.3
Ohio-----	68.6	51.7	319.5	22.7	3.8	-	22.2	1.2	27.7
Oklahoma-----	49.2	23.8	129.3	11.6	-	2.9	17.0	-	45.0
Oregon-----	4,962.8	757.4	3,604.0	580.9	52.6	93.5	321.8	396.6	1,697.5
Pennsylvania-----	415.0	48.1	318.3	136.5	3.7	30.0	20.0	2.3	213.8
South Carolina-----	111.5	51.9	212.7	35.2	1.5	13.0	11.9	0.1	67.8
South Dakota-----	273.9	106.5	803.5	31.1	6.5	2.2	19.8	26.3	95.3
Tennessee-----	447.0	77.1	341.6	49.4	5.5	16.5	77.9	3.0	137.0
Texas-----	434.5	40.2	204.0	68.9	2.1	17.3	46.1	-	376.1
Utah-----	3,156.5	678.7	1,948.2	198.6	76.8	20.1	66.0	620.7	995.4
Vermont-----	62.7	16.3	437.5	1.5	1.4	-	8.4	428.2	9.2
Virginia-----	651.9	159.9	973.5	13.3	11.8	0.2	50.3	1.5	310.1
Washington-----	3,270.5	373.3	2,247.8	193.3	23.4	20.0	82.7	679.0	612.4
W. Virginia-----	410.6	36.6	231.0	13.2	10.5	-	27.0	0.1	208.6
Wisconsin-----	445.2	28.3	558.6	99.8	1.4	6.3	41.8	6.9	176.7
Wyoming-----	1,485.9	161.2	1,122.4	158.1	18.9	7.2	28.5	235.2	529.2
Puerto Rico-----	-	97.8	47.2	-	5.6	-	5.6	-	-
Service Wide	50,062.5	7,411.2	42,274.7	5,423.2	771.0	873.2	3,666.2	6,964.4	15,457.1

¹Recreation use of National Forest land and water which aggregates 12 person-hours. May entail one person for 12 hours, 12 persons for one hour, or any equivalent

of Activities, Calendar Year 1972

of Recreation Use)¹

Hunting	Hiking and Mountain Climbing	Horseback Riding	Resort Use	Organiza- tion Camp Use	Recreation Residence Use	Gathering Forest Products	Nature Study	Viewing Scenes, Sports Environ- ment	Interpreta- tion (Exhib- its, Talks, etc.)	Total Use	Percent of Total
112.0	27.5	8.5	-	-	-	17.4	5.9	4.0	28.5	781.9	0.4
79.8	90.1	1.7	21.2	15.0	44.5	2.5	5.4	53.0	254.6	1,809.1	1.0
467.4	348.3	152.0	293.6	236.1	328.9	84.1	46.5	188.3	162.1	8,827.8	4.8
394.0	57.9	111.4	8.1	20.7	8.5	13.9	7.6	330.0	22.7	2,831.1	1.5
1,577.7	1,850.8	421.5	1,169.8	2,051.1	4,010.0	171.2	261.0	1,424.2	540.1	49,014.4	26.6
639.1	430.1	254.7	276.2	151.6	257.9	51.8	93.7	573.1	224.7	13,505.2	7.3
413.9	61.6	16.4	-	45.0	146.5	11.9	13.9	42.9	24.1	2,387.5	1.3
335.0	125.9	23.6	19.3	14.1	16.3	4.6	8.2	90.1	42.5	2,201.3	1.2
1,023.3	274.2	202.0	183.6	143.5	299.8	100.8	61.3	270.1	177.7	9,999.2	5.4
137.1	28.7	28.7	-	-	-	0.9	3.7	95.7	8.0	757.6	0.4
67.6	28.5	63.8	-	-	-	21.4	6.5	52.7	23.9	1,130.8	0.6
11.0	-	-	-	-	-	-	0.5	0.1	1.4	42.9	.1
135.1	87.6	15.4	1.2	5.4	11.0	13.1	2.5	85.9	15.8	1,085.4	0.6
165.5	5.3	3.0	-	20.7	25.5	4.5	2.8	10.5	7.5	551.2	0.3
4.7	3.9	-	-	0.7	-	0.2	1.7	1.6	0.5	39.8	.1
585.3	46.2	16.8	8.1	17.4	84.4	58.2	13.4	83.6	53.5	4,722.4	2.6
237.4	39.2	7.4	72.8	82.4	160.4	19.2	13.6	17.9	22.7	3,764.0	2.0
265.6	17.1	9.4	-	13.3	-	4.9	2.0	2.6	3.1	771.0	0.4
277.8	41.7	9.4	-	9.5	-	14.7	4.8	25.3	45.7	1,749.3	1.0
627.8	231.5	167.3	64.8	96.9	320.1	65.2	18.6	162.0	273.4	6,857.9	3.7
19.9	4.1	0.9	-	22.5	-	8.3	3.3	4.8	24.3	158.7	0.1
127.4	81.6	50.0	-	54.8	21.3	19.4	22.2	39.8	89.6	2,027.9	1.1
23.1	480.4	0.9	56.3	2.1	-	0.9	4.5	283.8	29.1	2,449.3	1.3
395.3	167.6	64.6	1.5	30.4	91.9	45.6	24.5	119.6	81.4	3,426.7	1.9
11.0	3.2	1.0	-	12.0	-	0.8	3.2	-	3.0	55.3	.1
331.8	132.7	20.4	4.2	3.1	6.2	10.4	9.0	103.6	25.0	2,144.6	1.2
40.3	2.0	2.5	-	-	-	2.6	0.5	10.4	0.7	95.8	0.1
89.0	21.8	21.7	-	-	-	16.1	3.4	2.0	8.7	680.1	0.4
53.3	14.5	3.7	-	-	-	3.0	2.6	19.6	22.1	397.6	0.2
1,200.8	604.6	211.5	526.8	289.9	996.2	110.2	67.4	847.4	360.0	17,730.9	9.6
221.3	29.4	19.3	1.9	17.0	79.4	10.1	4.8	338.1	17.0	1,926.0	1.0
292.3	25.1	13.8	-	-	-	16.6	4.8	12.7	5.6	876.5	0.5
89.9	23.3	18.2	17.9	36.9	41.3	8.3	16.1	15.3	28.3	1,660.6	0.9
183.8	69.1	27.8	20.0	39.4	81.5	9.8	8.9	59.1	17.0	1,671.4	0.9
129.6	9.9	4.5	17.5	11.3	-	5.5	4.3	40.8	7.4	1,420.0	0.8
854.2	382.4	254.5	275.4	157.6	237.7	57.8	70.0	414.1	143.4	10,608.1	5.8
46.6	29.1	1.4	16.7	-	1.3	0.9	0.5	250.4	6.8	1,319.0	0.7
746.1	212.5	65.6	7.1	47.7	0.8	16.4	14.1	177.0	64.3	3,524.1	1.9
578.3	523.3	177.5	122.6	231.4	384.9	208.6	56.7	564.1	113.9	10,463.7	5.7
160.6	36.9	4.8	-	54.3	0.6	4.1	3.0	122.6	20.9	1,345.4	0.7
247.7	18.3	4.2	2.2	20.5	11.5	19.7	2.4	3.0	13.8	1,708.3	0.9
340.3	191.1	116.3	276.1	135.8	168.9	15.0	24.3	129.1	50.6	5,194.1	2.8
-	3.1	-	10.3	33.3	2.2	-	-	3.4	35.9	244.4	0.1
13,739.7	6,862.1	2,616.0	3,525.2	4,122.4	7,839.5	1,250.6	924.1	7,073.9	3,101.3	183,958.3	100.0

combination of individual or group use, either continuous or intermittent.

National Forest Recreation--Summary

(Thousands of Visitor-

State and Commonwealth	Camping	Picnicking	Recreation Travel (mechanized)	Boating	Games and Team Sports	Waterskiing and Other Water Sports	Swimming and Scuba Diving	Winter Sports	Fishing
Alabama-----	167.2	44.2	194.7	29.7	.8	8.2	69.5	.2	75.3
Alaska-----	182.2	51.0	287.4	500.7	4.5	2.0	10.1	88.5	213.6
Arizona-----	2,473.3	684.0	2,743.8	334.0	74.3	156.7	239.5	129.8	695.3
Arkansas-----	501.2	148.0	600.4	106.8	3.0	24.2	190.4	-	348.2
California-----	16,200.2	1,206.3	11,975.6	925.0	265.5	302.6	1,620.0	2,628.0	3,393.8
Colorado-----	3,786.1	541.0	3,159.9	125.7	21.7	10.9	20.0	1,883.3	1,106.0
Florida-----	838.5	105.2	223.2	158.5	22.6	48.6	182.8	-	340.7
Georgia-----	591.8	44.9	587.3	39.2	6.8	27.0	23.1	1.6	190.9
Idaho-----	2,235.3	292.3	2,108.7	581.9	34.6	29.6	129.8	456.0	959.1
Illinois-----	148.7	46.0	164.2	14.2	1.0	3.5	15.0	-	24.8
Indiana-----	193.8	80.5	288.5	138.2	-	25.2	28.1	-	202.3
Kansas-----	1.8	8.0	18.6	.1	.1	-	.1	.1	.1
Kentucky-----	179.4	102.6	321.0	86.1	7.1	12.6	9.0	-	104.4
Louisiana-----	145.8	27.1	67.6	24.3	1.8	1.4	28.4	-	38.9
Maine-----	11.7	3.3	8.8	.2	.1	-	.7	8.1	2.8
Michigan-----	1,009.9	114.9	1,961.0	198.4	9.4	8.0	100.6	104.6	365.3
Minnesota-----	1,053.1	48.4	665.7	610.2	26.1	26.6	79.0	64.8	671.9
Mississippi-----	180.4	37.3	162.0	27.4	1.8	2.8	40.3	-	48.1
Missouri-----	332.4	71.7	356.3	75.3	6.6	9.1	79.7	-	165.9
Montana-----	1,380.2	256.0	1,898.3	152.2	17.3	23.6	72.2	338.4	729.3
Nebraska-----	22.5	17.8	8.9	1.4	1.9	.4	2.4	-	7.4
Nevada-----	453.8	94.9	476.7	2.3	21.0	-	19.2	144.2	77.7
New Hampshire-----	644.5	41.7	534.5	3.1	1.2	.2	46.8	224.4	18.8
New Mexico-----	1,057.9	321.5	646.6	8.1	27.5	5.4	12.1	186.2	191.2
New York-----	15.8	.7	7.1	-	-	-	-	-	3.5
North Carolina-----	361.8	107.1	722.1	89.8	4.9	10.3	46.7	.6	164.2
North Dakota-----	8.9	5.3	19.9	2.4	.2	-	.6	2.0	4.9
Ohio-----	49.0	43.4	467.1	27.1	5.4	-	23.2	1.2	32.8
Oklahoma-----	35.5	23.4	126.9	13.6	-	2.0	17.4	-	43.0
Oregon-----	4,677.4	662.8	3,163.6	627.0	65.5	61.7	291.8	463.7	1,747.5
Pennsylvania-----	463.0	84.7	490.0	138.5	4.9	19.5	34.3	3.5	223.2
South Carolina-----	111.9	50.9	214.7	53.5	7.9	12.0	9.6	-	77.3
South Dakota-----	287.5	93.9	747.9	32.7	9.3	1.4	22.0	18.3	90.7
Tennessee-----	342.3	71.8	355.1	44.9	5.1	16.2	47.5	-	139.7
Texas-----	376.5	35.9	204.7	73.7	2.1	16.0	35.8	-	382.6
Utah-----	2,980.8	625.2	1,893.8	231.5	75.6	33.8	88.8	511.8	1,093.5
Vermont-----	76.3	12.6	636.6	3.2	1.3	-	10.0	277.2	10.4
Virginia-----	574.5	106.5	850.8	10.1	13.3	-	53.9	1.3	244.7
Washington-----	3,415.3	342.0	2,528.3	194.7	22.8	21.9	90.5	680.7	641.0
West Virginia-----	459.6	48.1	276.4	14.4	8.4	-	36.0	1.3	214.3
Wisconsin-----	391.3	22.9	572.6	83.8	-	5.5	39.8	8.3	192.7
Wyoming-----	1,418.9	141.4	1,112.5	85.1	25.3	9.3	25.3	247.5	483.6
Puerto Rico-----	.6	82.8	47.0	-	5.7	-	6.0	-	-
Service Wide-----	49,838.6	6,950.0	43,896.8	5,869.0	814.4	938.2	3,898.0	8,475.6	15,761.4

¹ Recreation use of National Forest land and water which aggregates 12 person-hours. May entail one person for 12 hours, 12 persons for one hour, or any

of Activities, Calendar Year 1973

Days of Recreation Use)¹

Hunting	Hiking and Mountain Climbing	Horseback Riding	Resort Use	Organization Camp Use	Recreation Residence Use	Gathering Forest Products	Nature Study	Viewing Scenes, Sports Environment	Interpretation (Exhibits, Talks, etc.)	Total Use	Percent of Total
125.3	23.8	8.8	-	3.5	-	17.7	8.1	4.7	23.6	805.3	.4
122.5	88.0	1.5	15.1	18.2	37.7	6.7	8.6	19.2	253.5	1,911.0	1.0
521.9	347.0	182.9	321.0	245.8	445.6	93.4	70.8	309.0	284.2	10,352.3	5.5
426.6	66.3	50.6	8.3	21.7	8.0	21.1	10.1	171.1	59.8	2,765.8	1.5
1,547.8	2,147.7	442.8	1,179.3	1,953.7	3,951.8	220.7	331.4	1,405.2	596.1	52,293.5	27.8
726.3	521.6	276.8	284.2	167.8	206.6	68.8	99.5	573.2	190.3	13,769.7	7.3
521.8	65.2	22.5	-	33.1	150.4	15.3	16.8	51.4	26.5	2,823.1	1.5
314.7	136.9	32.1	1.1	20.3	16.3	8.8	8.1	57.3	71.7	2,179.9	1.2
1,011.1	266.8	169.0	170.0	126.2	280.3	86.7	34.2	155.5	159.5	9,286.6	4.9
132.6	27.2	36.6	-	-	-	1.2	7.3	52.6	16.5	691.4	.4
82.4	45.3	67.9	-	-	-	23.5	12.2	59.3	23.0	1,270.2	.7
11.0	.8	.2	-	-	-	.1	1.5	-	-	42.5	.0
146.5	105.1	19.8	-	6.4	11.0	13.4	3.5	72.8	28.9	1,229.6	.7
178.9	8.9	3.3	-	17.5	25.3	5.8	2.2	11.3	11.6	600.1	.3
4.7	3.9	-	-	.7	-	.2	1.7	2.2	3.1	52.2	.0
580.1	64.2	30.6	8.6	25.2	85.3	55.1	31.2	71.2	61.2	4,884.8	2.6
222.6	36.9	7.7	92.7	83.9	151.5	22.1	5.8	8.7	34.6	3,912.3	2.1
258.0	16.2	10.4	-	41.0	-	4.7	2.0	5.2	7.4	845.0	.4
236.3	42.3	35.1	-	7.0	-	27.3	6.8	28.5	36.2	1,516.5	.8
688.0	239.0	197.0	74.6	98.9	263.5	76.7	24.9	164.6	286.0	6,980.7	3.7
18.2	7.2	.8	-	15.0	-	6.8	7.4	4.1	11.0	133.2	.1
108.8	65.4	38.4	.6	44.7	20.3	21.3	16.0	49.7	40.7	1,695.7	.9
21.3	484.0	.9	62.7	2.1	-	6.4	19.2	314.6	28.4	2,454.8	1.3
473.5	194.7	79.2	.5	38.7	93.4	80.2	35.8	114.5	102.8	3,669.8	2.0
12.6	3.6	1.4	-	-	-	.8	7.3	-	.6	53.4	.0
344.0	138.8	21.3	4.4	3.1	6.4	11.3	8.9	94.5	56.5	2,196.7	1.2
52.8	2.5	3.0	-	-	-	1.9	.7	7.4	1.6	114.1	.1
104.8	28.0	26.6	-	-	-	17.0	4.8	2.0	23.9	856.3	.5
54.5	14.2	3.9	-	-	-	2.9	2.5	18.7	22.6	381.1	.2
1,275.9	696.2	214.2	601.2	233.5	438.6	132.6	68.0	569.0	512.7	16,502.9	8.8
258.7	42.1	15.8	3.9	19.1	63.7	13.1	5.4	180.0	12.8	2,076.2	1.1
188.6	22.9	13.8	-	1.1	.1	15.8	5.2	6.5	12.1	803.9	.4
95.5	42.3	24.0	18.2	54.6	56.3	11.1	17.7	32.4	27.8	1,683.6	.9
183.8	74.4	23.9	22.4	34.5	82.4	10.2	7.3	59.4	17.9	1,538.8	.8
137.6	10.2	6.6	16.3	5.2	-	6.0	4.1	43.6	19.7	1,376.6	.7
824.4	397.6	230.1	342.1	178.8	222.8	73.2	69.6	268.0	172.8	10,314.2	5.5
38.6	38.0	1.8	34.5	.3	2.3	2.5	1.5	36.1	11.9	1,195.1	.6
623.8	143.6	37.7	1.2	46.3	.7	18.0	12.1	181.7	50.8	2,971.0	1.6
723.6	574.0	213.2	197.3	218.4	239.8	187.5	51.1	961.7	141.1	11,444.9	6.1
202.7	43.2	5.1	-	35.9	.6	5.3	2.8	21.4	45.5	1,421.0	.8
259.6	19.5	5.3	2.5	5.9	11.5	22.1	3.2	11.7	17.0	1,675.2	.9
369.6	201.2	132.1	301.3	147.3	151.4	14.6	25.4	147.0	94.6	5,133.4	2.7
-	3.7	-	10.5	30.6	3.1	2.0	.4	2.9	74.9	270.2	.1
14,232.0	7,500.4	2,694.7	3,774.5	3,986.0	7,026.7	1,431.9	1,063.1	6,349.9	3,673.4	188,174.6	100.0

equivalent combination of individual or group use, either continuous or intermittent.

National Forest Recreation--Use

(Thousands of Visitor-Days)

State and Commonwealth	Observation Sites	Playground, Sport Sites	Boating Sites	Swimming Sites	Campgrounds	Picnic Grounds
Alabama-----	-	-	1.6	18.0	127.4	71.4
Alaska-----	7.2	0.7	1.4	4.3	196.3	65.3
Arizona-----	40.3	61.5	107.5	50.2	1,707.1	471.5
Arkansas-----	29.2	-	5.5	64.2	359.8	112.7
California-----	77.0	5.5	256.5	201.6	10,261.0	638.5
Colorado-----	104.3	0.5	28.4	-	3,065.1	485.5
Florida-----	-	-	39.5	79.4	471.8	83.2
Georgia-----	13.1	-	9.6	17.7	398.6	41.4
Idaho-----	29.1	-	80.4	19.1	1,552.8	169.2
Illinois-----	38.7	-	6.9	14.0	127.6	52.9
Indiana-----	3.5	-	35.9	23.2	116.9	78.7
Kansas-----	-	-	-	-	-	6.7
Kentucky-----	39.6	-	8.7	-	158.0	83.2
Louisiana-----	0.8	-	2.5	12.8	76.7	52.2
Maine-----	2.1	-	0	-	11.8	2.0
Michigan-----	18.7	8.8	67.5	73.8	803.8	110.2
Minnesota-----	2.6	-	58.9	32.1	581.4	39.2
Mississippi-----	-	-	5.2	24.9	97.4	32.9
Missouri-----	-	-	11.0	2.0	332.9	127.4
Montana-----	35.3	-	86.5	22.9	1,185.6	184.4
Nebraska-----	2.4	-	-	1.4	24.7	17.9
Nevada-----	2.1	14.2	-	16.2	408.1	73.3
New Hampshire-----	76.8	-	5.1	2.9	567.8	57.1
New Mexico-----	27.3	13.6	1.9	-	841.6	168.7
New York-----	-	-	-	-	7.2	1.3
North Carolina-----	26.4	-	11.4	24.3	314.4	129.8
North Dakota-----	-	-	-	-	3.4	4.5
Ohio-----	-	-	9.4	19.1	49.9	46.8
Oklahoma-----	21.1	-	4.2	6.1	33.8	20.0
Oregon-----	73.6	-	379.1	36.1	3,901.2	463.7
Pennsylvania-----	30.7	-	63.2	19.6	381.7	46.6
South Carolina-----	-	0.7	5.7	6.8	70.5	56.4
South Dakota-----	8.3	3.0	16.9	19.3	270.6	99.1
Tennessee-----	21.1	-	6.5	39.9	338.6	90.3
Texas-----	0.2	-	26.1	16.0	309.5	52.2
Utah-----	30.7	3.6	74.0	3.8	2,363.4	331.6
Vermont-----	2.7	2.3	-	3.9	61.3	16.2
Virginia-----	9.3	-	1.3	37.0	410.8	121.7
Washington-----	63.9	-	59.9	16.5	2,450.8	144.9
West Virginia-----	32.3	-	3.4	17.5	269.4	33.1
Wisconsin-----	-	-	25.6	27.5	416.7	13.0
Wyoming-----	50.0	-	19.3	15.1	952.1	69.2
Puerto Rico-----	5.7	-	-	-	-	97.9
Service-Wide-----	926.1	114.4	1,526.5	989.2	36,079.5	5,063.8

¹Recreation use of National Forest land and water which aggregates 12 person-hours. May entail one person for 12 intermittent.

of Developed Recreation Sites, Calendar year 1972

of Recreation Use)¹

Hotel Lodge Resorts	Organization Sites	Other Concession Sites	Recreation Residence Sites	Winter Sports Sites	Inter- pretive Sites	Total Use	Percent of Total
-	-	-	-	-	-	218.4	0.3
21.6	20.8	-	44.5	40.5	241.0	643.6	0.9
299.8	296.4	25.5	328.9	13.4	47.6	3,449.7	5.0
8.1	33.3	-	8.5	-	0.2	621.4	0.9
1,147.4	2,682.5	100.0	3,992.6	981.0	116.1	20,459.7	29.4
206.5	172.4	88.5	256.1	1,626.7	36.0	6,070.0	8.7
-	98.0	-	146.5	-	12.6	931.0	1.3
19.3	25.4	-	16.8	-	16.6	558.5	0.8
209.7	199.7	13.7	288.4	381.7	59.0	3,002.8	4.3
-	-	-	-	-	4.0	244.1	0.4
-	-	-	-	-	1.7	259.9	0.4
-	-	-	-	-	0.3	7.0	.1
-	6.5	-	11.0	-	-	307.0	0.4
-	33.1	-	25.5	-	-	203.6	0.3
-	0.9	-	-	-	-	16.8	.1
3.0	31.8	5.3	84.4	144.2	3.6	1,355.1	1.9
140.0	54.2	2.0	160.4	8.0	3.7	1,082.5	1.6
-	16.3	-	-	-	-	176.7	0.3
-	13.3	-	-	-	2.6	489.2	0.7
66.7	107.5	16.3	319.9	349.0	111.0	2,485.1	3.6
-	36.5	-	-	-	-	82.9	0.1
-	79.3	-	21.3	146.7	19.4	780.6	1.1
59.3	2.6	-	-	303.2	9.4	1,084.2	1.6
1.4	42.0	0.8	91.9	151.2	33.7	1,374.1	2.0
-	12.0	-	-	-	-	20.5	.1
9.7	3.1	-	6.2	-	11.1	536.4	0.8
-	-	-	-	-	-	7.9	.1
-	-	-	-	-	0.4	125.6	0.2
-	-	-	-	-	1.0	86.2	0.1
774.4	390.4	153.8	976.1	334.5	140.4	7,623.3	10.9
-	24.1	0.4	79.4	-	0.7	646.4	0.9
-	-	-	-	-	0.3	140.4	0.2
9.6	40.6	13.3	41.3	18.0	15.9	555.9	0.8
23.8	66.1	-	81.5	-	3.7	671.5	1.0
24.6	20.2	-	-	-	1.9	450.7	0.6
258.8	211.1	0.3	240.2	654.4	46.7	4,218.6	6.1
-	-	-	1.3	453.6	-	541.3	0.8
0.1	67.2	11.5	0.8	-	9.3	669.0	1.0
163.0	292.5	3.8	377.1	642.7	5.2	4,220.3	6.1
-	70.7	-	0.6	-	3.1	430.1	0.6
3.2	28.4	-	11.5	7.5	3.5	536.9	0.8
356.2	174.5	1.5	168.9	264.3	6.3	2,077.4	3.0
-	52.5	10.3	2.1	-	2.2	170.9	0.2
3,806.2	5,405.9	447.0	7,783.7	6,520.6	970.2	69,633.1	100

hours, 12 persons for one hour, or any equivalent combination of individual or group use, either continuous or

National Forest Recreation - Use of Developed

(Thousands of Visitor-Days)

State and Commonwealth	Observation Sites	Playground Sport Sites	Boating Sites	Swimming Sites	Campgrounds	Picnic Grounds
Alabama-----	-	-	3.0	55.5	149.2	23.9
Alaska-----	7.5	2.7	1.0	3.5	183.3	45.9
Arizona-----	108.5	81.6	124.3	50.5	2,100.4	485.3
Arkansas-----	25.5	-	5.2	98.4	401.0	65.4
California-----	60.7	6.1	355.3	251.0	10,873.0	677.4
Colorado-----	82.1	2.3	29.1	-	2,880.2	434.5
Florida-----	-	-	60.8	73.1	461.7	78.8
Georgia-----	17.3	-	7.9	11.6	367.5	41.9
Idaho-----	25.4	1.5	92.8	18.8	1,403.6	129.4
Illinois-----	27.3	-	6.1	13.8	103.9	51.3
Indiana-----	4.9	-	25.7	27.1	154.2	87.3
Kansas-----	-	-	-	-	-	6.9
Kentucky-----	43.9	4.0	13.0	-	161.4	101.6
Louisiana-----	1.7	-	4.7	24.2	96.5	22.3
Maine-----	2.1	-	-	-	12.0	2.2
Michigan-----	26.1	9.1	73.1	79.8	769.0	107.5
Minnesota-----	2.3	.3	57.5	29.9	541.6	28.8
Mississippi-----	-	-	5.4	51.0	94.0	17.0
Missouri-----	-	-	11.6	1.8	291.5	76.7
Montana-----	61.2	-	97.6	21.1	1,042.0	132.3
Nebraska-----	1.7	-	-	1.5	17.9	14.4
Nevada-----	3.7	14.2	-	16.9	363.9	37.8
New Hampshire-----	78.8	-	6.6	33.6	558.5	34.2
New Mexico-----	31.6	12.2	1.9	-	742.7	238.0
New York-----	-	-	-	-	13.9	-
North Carolina-----	28.5	-	10.4	20.2	303.0	117.6
North Dakota-----	-	-	-	-	8.0	1.0
Ohio-----	-	-	9.9	20.1	40.0	28.0
Oklahoma-----	22.8	-	4.8	6.1	20.6	19.0
Oregon-----	110.8	-	354.6	35.0	3,629.7	435.9
Pennsylvania-----	25.0	.2	55.4	34.4	389.9	73.5
South Carolina-----	-	1.3	4.5	6.3	68.5	52.4
South Dakota-----	9.0	1.0	18.4	20.5	284.3	101.9
Tennessee-----	20.7	-	6.7	36.7	265.3	64.4
Texas-----	.2	-	29.9	30.6	272.1	34.8
Utah-----	41.0	5.1	76.2	4.3	2,146.9	329.2
Vermont-----	7.5	2.8	-	5.6	52.8	14.7
Virginia-----	8.0	.6	1.2	55.1	360.3	78.8
Washington-----	25.2	-	58.9	19.7	2,709.0	162.0
West Virginia-----	17.9	-	3.2	26.6	317.6	42.4
Wisconsin-----	-	-	26.9	27.3	367.9	13.0
Wyoming-----	60.8	-	25.9	5.0	946.4	63.4
Puerto Rico-----	5.6	-	-	-	-	92.2
Service-Wide-----	995.3	145.0	1,669.5	1,216.6	35,965.2	4,665.0

¹ Recreation use of National Forest land and water which aggregates 12 person-hours. May entail one person for 12 intermittent.

Recreation Sites, Calendar Year 1973

of Recreation Use)¹ ,

Hotel Lodge Resorts	Organization Sites	Other Concession Sites	Recreation Residence Sites	Winter Sports Sites	Interpretive Sites	Total Use	Percent of Total
-	-	-	-	-	6.9	238.5	.3
15.2	22.4	-	37.7	71.6	219.7	610.5	.9
362.6	326.6	78.9	445.6	63.6	58.4	4,286.3	6.1
8.3	34.9	-	8.0	-	2.6	649.3	.9
1,165.8	2,599.1	95.3	3,948.6	2,267.0	149.0	22,448.3	31.7
218.3	189.0	79.9	206.6	1,831.3	23.5	5,976.8	8.4
-	100.3	-	150.4	-	13.7	938.8	1.3
1.1	36.8	-	16.3	-	12.9	513.3	.7
184.3	180.4	15.6	277.5	729.0	48.5	3,106.8	4.4
-	-	-	-	-	3.1	205.5	.3
-	-	-	-	-	5.0	304.2	.4
-	-	-	-	-	-	6.9	.0
-	7.8	-	11.0	-	5.0	347.7	.5
-	30.4	-	25.3	-	.8	205.9	.3
-	.9	-	-	11.3	-	28.5	.0
3.2	34.6	5.6	85.3	82.5	10.1	1,285.9	1.8
135.8	131.5	2.2	151.5	46.8	4.3	1,132.5	1.6
-	44.0	-	-	-	3.4	214.8	.3
-	6.5	-	-	-	1.8	389.9	.5
71.2	113.7	24.2	263.5	291.8	107.1	2,225.7	3.1
-	23.8	-	-	-	-	59.3	.1
-	64.0	-	20.3	130.5	4.8	656.1	.9
63.7	2.5	-	-	230.8	10.3	1,019.0	1.4
.2	49.4	.9	93.4	199.2	30.9	1,400.4	2.0
-	-	-	-	-	-	13.9	.0
10.1	3.1	-	6.4	-	42.8	542.1	.8
-	-	-	-	-	-	9.0	.0
-	-	-	-	-	2.4	100.4	.2
-	-	-	-	-	2.0	75.3	.1
723.9	355.4	144.7	437.1	402.6	147.7	6,777.4	9.5
-	29.2	.6	63.7	-	3.3	675.2	1.0
-	.9	-	.1	-	1.2	135.2	.2
10.6	65.2	13.1	56.3	4.6	13.8	598.7	.9
23.2	46.7	2.4	82.4	-	7.7	556.2	.8
15.7	13.2	-	-	-	6.8	403.3	.6
241.2	221.4	.7	225.3	677.3	37.3	4,005.9	5.7
19.7	-	-	2.3	295.7	-	401.1	.6
.3	67.6	1.7	.7	-	18.6	592.9	.9
223.8	271.8	4.3	239.8	668.2	23.5	4,406.2	6.2
-	57.3	-	.6	-	2.8	468.4	.7
2.9	5.2	.5	11.5	9.5	4.8	469.5	.7
285.3	199.3	4.8	151.4	276.7	10.4	2,029.4	2.9
-	52.1	10.5	3.1	-	25.8	189.3	.3
3,786.4	5,387.0	485.9	7,021.7	8,290.0	1,072.7	70,700.3	100.0

hours, 12 persons for one hour, or any equivalent combination of individual or group use, either continuous or

National Forest Recreation--Use of Dispersed Recreation Areas

Calendar Year 1972

(Thousands of Visitor-Days of Recreation Use)¹

State and Commonwealth	Roads	Trails	Lakes, Ponds	Reservoirs	Rivers Streams	Oceans, Great Lakes	General Undeveloped Area	Total Use Dispersed Areas	Total Use Developed and Dispersed Areas
Alabama-----	212.0	13.0	6.3	71.3	47.6	0	213.3	563.5	781.9
Alaska-----	275.1	69.6	53.7	0.8	76.5	527.7	162.1	1,165.5	1,809.1
Arizona-----	2,414.9	195.4	4.6	944.3	201.9	0	1,617.0	5,378.1	8,827.8
Arkansas-----	897.3	8.1	0	360.0	206.0	0	738.2	2,209.6	2,831.1
California-----	10,884.0	1,964.0	845.2	2,714.6	2,198.6	0	9,948.3	28,554.7	49,014.4
Colorado-----	3,174.2	610.3	242.8	445.6	547.9	0	2,414.4	7,435.2	13,505.2
Florida-----	194.2	45.7	368.3	5.5	127.0	0	715.8	1,456.5	2,387.5
Georgia-----	587.1	148.0	0	82.8	165.0	0	659.3	1,642.8	2,201.3
Idaho-----	2,211.4	433.9	339.3	306.5	854.9	0	2,850.4	6,996.9	9,999.2
Illinois-----	161.7	31.6	3.5	18.9	16.0	0	281.8	513.5	757.6
Indiana-----	245.9	57.8	0	269.2	67.6	0	230.4	870.9	1,130.8
Kansas-----	18.2	0	0	0.8	0	0	16.9	35.9	42.9
Kentucky-----	318.3	64.5	0	74.6	93.2	0	227.8	778.4	1,085.4
Louisiana-----	63.0	5.8	0	19.2	27.8	0	231.8	347.6	551.2
Maine-----	8.1	4.1	1.6	0.6	1.6	0	7.0	23.0	39.8
Michigan-----	1,630.7	136.2	300.4	19.0	212.5	0	1,068.5	3,367.3	4,722.4
Minnesota-----	550.2	55.4	1,169.4	8.5	174.2	0	723.8	2,681.5	3,764.0
Mississippi-----	155.4	9.8	2.9	18.7	37.8	0	369.7	594.3	771.0
Missouri-----	399.6	21.5	0	185.4	230.5	0	423.1	1,260.1	1,749.3
Montana-----	1,674.8	384.1	216.7	190.5	375.9	0	1,530.8	4,372.8	6,857.9
Nebraska-----	12.5	1.8	0	10.3	0.7	0	50.5	75.8	158.7
Nevada-----	557.8	74.0	9.2	3.2	129.2	0	473.9	1,247.3	2,027.9
New Hampshire-----	480.7	506.3	6.2	1.6	35.9	0	334.4	1,365.1	2,449.3
New Mexico-----	632.6	98.5	20.9	52.6	106.4	0	1,141.6	2,052.6	3,426.7
New York-----	3.9	7.6	0	3.0	0	0	20.3	34.8	55.3
North Carolina-----	714.6	103.5	4.1	137.9	150.8	0	497.3	1,608.2	2,144.6
North Dakota-----	23.0	0	0	5.1	4.0	0	55.8	87.9	95.8
Ohio-----	357.3	5.8	0	33.1	18.7	0	139.6	554.5	680.1
Oklahoma-----	133.0	5.6	0	28.6	39.8	0	104.4	311.4	397.6
Oregon-----	3,872.8	675.7	672.5	623.5	1,018.1	0	3,245.0	10,107.6	17,730.9
Pennsylvania-----	545.1	28.6	0	146.7	150.4	0	408.8	1,279.6	1,926.0
South Carolina-----	216.1	25.0	0	61.4	58.2	0	375.4	736.1	876.5
South Dakota-----	795.6	12.0	0	96.0	33.0	0	168.1	1,104.7	1,660.6
Tennessee-----	339.6	74.2	0	112.9	116.9	0	356.3	999.9	1,671.4
Texas-----	213.0	6.4	0.6	463.3	13.3	0	272.7	969.3	1,420.0
Utah-----	2,105.3	405.8	166.2	583.1	529.6	0	2,599.5	6,389.5	10,608.1
Vermont-----	650.3	29.4	2.8	3.0	8.9	0	83.3	777.7	1,319.0
Virginia-----	1,096.5	221.9	0	79.6	257.3	0	1,199.8	2,855.1	3,524.1
Washington-----	2,470.3	693.1	326.3	104.8	400.7	7.7	2,240.5	6,243.4	10,463.7
West Virginia-----	297.3	48.9	0.8	21.5	199.6	0	347.2	915.3	1,345.4
Wisconsin-----	502.5	31.6	196.1	21.1	78.7	0	341.4	1,171.4	1,708.3
Wyoming-----	1,041.2	224.6	160.1	111.4	336.5	0	1,242.9	3,116.7	5,194.1
Puerto Rico-----	64.7	3.1	0	0	5.8	0	0.1	73.7	244.4
Service-wide-----	43,201.8	7,542.2	5,120.5	8,440.5	9,355.6	535.4	40,129.2	114,325.2	183,958.3

¹ Recreation use of National Forest land and water which aggregates 12 person-hours. May entail one person for 12 hours, 12 persons for one hour, or any equivalent combination of individual or group use, either continuous or intermittent.

National Forest Recreation--Use of Dispersed Recreation Areas

Calendar Year 1973

(Thousands of Visitor-Days of Recreation Use)¹

State and Commonwealth	Roads	Trails	Lakes, Ponds	Reservoirs	Rivers, Streams	Oceans, Great Lakes	General Undeveloped Area	Documentary Area	Total Use Dispersed Areas	Total Use Developed and Dispersed
Alabama-----	213.0	-	3.7	74.9	61.6	-	213.6	-	566.8	805.3
Alaska-----	278.2	70.9	67.1	1.2	61.9	643.5	177.7	-	1,300.5	1,911.0
Arizona-----	2,824.0	289.1	24.2	915.9	212.1	-	1,800.7	-	6,066.0	10,352.3
Arkansas-----	788.6	7.5	-	390.9	216.3	-	713.2	-	2,116.5	2,765.8
California-----	12,026.2	2,101.6	816.9	2,654.7	2,294.1	-	9,951.6	.1	29,845.2	52,293.5
Colorado-----	3,260.3	739.1	283.5	447.8	532.3	-	2,525.0	4.9	7,792.9	13,769.7
Florida-----	241.1	52.8	486.2	6.0	159.4	-	938.7	.1	1,884.3	2,823.1
Georgia-----	606.6	160.0	-	99.4	167.4	-	633.2	-	1,666.6	2,179.9
Idaho-----	2,317.3	352.2	255.5	219.9	732.9	-	2,302.0	-	6,179.8	9,286.6
Illinois-----	155.9	32.3	1.0	26.3	18.4	-	252.0	-	485.9	691.4
Indiana-----	348.3	25.5	-	291.0	74.5	-	226.7	-	966.0	1,270.2
Kansas-----	18.8	-	-	.5	-	-	16.3	-	35.6	42.5
Kentucky-----	350.4	77.7	-	86.8	119.0	-	248.0	-	881.9	1,229.6
Louisiana-----	66.9	10.3	-	41.7	31.5	-	243.8	-	394.2	600.1
Maine-----	8.5	4.2	1.6	.6	1.7	-	7.1	-	23.7	52.2
Michigan-----	1,785.0	130.6	333.8	20.8	240.4	-	1,088.3	-	3,598.9	4,884.8
Minnesota-----	566.6	45.7	1,209.2	5.1	181.1	-	772.1	-	2,779.8	3,912.3
Mississippi-----	168.3	10.6	2.2	35.7	65.7	-	347.7	-	630.2	845.0
Missouri-----	378.6	48.6	-	82.0	222.9	-	394.5	-	1,126.6	1,516.5
Montana-----	1,789.0	451.2	225.4	194.2	472.6	-	1,622.6	-	4,755.0	6,980.7
Nebraska-----	12.3	2.1	-	9.6	.6	-	49.3	-	73.9	133.2
Nevada-----	488.9	68.7	9.5	2.8	74.5	-	395.2	-	1,039.6	1,695.7
New Hampshire-----	497.0	506.2	7.4	1.7	37.0	-	386.5	-	1,435.8	2,454.8
New Mexico-----	668.5	134.7	23.1	56.8	132.4	-	1,253.4	.5	2,269.4	3,669.8
New York-----	5.2	6.9	-	4.1	-	-	23.3	-	39.5	53.4
North Carolina-----	730.6	111.0	4.1	135.4	156.1	-	517.4	-	1,654.6	2,196.7
North Dakota-----	22.2	-	-	6.0	4.7	-	72.2	-	105.1	114.1
Ohio-----	511.0	7.3	-	36.6	25.5	-	175.5	-	755.9	856.3
Oklahoma-----	143.6	2.3	-	30.0	39.1	-	90.8	-	305.8	381.1
Oregon-----	3,276.7	736.3	693.6	608.2	1,118.5	-	3,292.2	-	9,725.5	16,502.9
Pennsylvania-----	526.6	32.2	-	169.1	159.5	-	477.6	-	1,401.0	2,076.2
South Carolina-----	211.0	26.3	-	69.2	83.4	-	278.7	.1	668.7	803.9
South Dakota-----	741.8	12.2	-	94.5	31.0	-	205.4	-	1,084.9	1,683.6
Tennessee-----	350.4	81.7	-	94.5	121.6	-	334.4	-	982.6	1,538.8
Texas-----	221.0	6.4	.8	470.0	13.9	-	261.2	-	973.3	1,376.6
Utah-----	1,879.4	425.3	218.4	640.1	565.8	-	2,579.3	-	6,308.3	10,314.2
Vermont-----	633.6	35.0	3.2	4.2	11.9	-	106.1	-	794.0	1,195.1
Virginia-----	977.9	141.2	-	78.6	190.5	-	989.4	.5	2,378.1	2,971.0
Washington-----	3,113.5	702.7	341.9	109.2	413.0	7.7	2,350.7	-	7,038.7	11,444.9
West Virginia-----	282.9	55.1	.7	30.6	201.6	-	381.7	-	952.6	1,421.0
Wisconsin-----	518.0	35.9	189.7	15.2	95.9	-	351.0	-	1,205.7	1,675.2
Wyoming-----	1,023.6	256.9	158.1	132.7	292.8	-	1,239.6	.3	3,104.0	5,133.4
Puerto Rico-----	67.4	3.6	-	-	6.4	-	3.5	-	80.9	270.2
Service-Wide-----	45,130.7	7,999.9	5,360.8	8,394.5	9,641.5	651.2	40,289.2	6.5	117,474.3	188,174.6

¹ Recreation use of National Forest land and water which aggregates 12 person-hours. May entail one person for 12 hours, 12 persons for one hour, or any equivalent combination of individual or group use, either continuous or intermittent.

Summary of Forest Service Participants

	Job Corps-Fiscal Year 1972				Cooperative
	Appraised Value of Work Accomplished	Number of Participation	Man-Years of Participation	Minority Participation (Percent)	Appraised Value of Work Accomplished
Chief's Office-----	-	-	-	-	\$6,000
Northeastern Area-----	-	-	-	-	10,000
Southeastern Area-----	-	-	-	-	38,000
<u>REGIONS:</u>					
1. Northern-----	\$846,000	2,852	792	50	345,000
2. Rocky Mountain-----	571,000	1,083	375	15	262,000
3. Southwestern-----	354,000	792	202	84	1,277,000
4. Intermountain-----	-	-	-	-	296,000
5. California-----	-	-	-	-	1,235,000
6. Pacific Northwest-----	814,000	2,088	627	70	440,000
8. Southern-----	2,125,000	3,783	1,227	80	2,448,000
9. Eastern-----	664,000	1,919	593	65	1,118,000
10. Alaska-----	-	-	-	-	-
<u>RESEARCH UNIT:</u>					
Intermountain-----	-	-	-	-	46,000
North Central-----	-	-	-	-	12,000
North Eastern-----		(Included in Northeastern Area)		-	-
Pacific Northwest-----	-	-	-	-	29,000
Pacific Southwest-----	-	-	-	-	83,000
Rocky Mountain-----	-	-	-	-	26,000
Southeastern-----	-	-	-	-	2,000
Southern-----	-	-	-	-	6,000
Institute of Tropical Forestry-	-	-	-	-	-
Forest Products-----	-	-	-	-	-
Laboratory-----	-	-	-	-	-
Total-----	\$5,374,000	12,517	3,816	64	\$7,689,000

in Human Resource Programs-1972

Manpower Training Programs-Fiscal Year 1972			Youth Conservation Corps-Calendar Year 1972			
Number of Participants	Man-Years of Participation	Minority Participation (Percent)	Appraised Value of Work Accomplished	Number of Participants	Man-Years of Participation	Minority Participation (Percent)
6	2	50	-	-	-	-
17	3	18	-	-	-	-
38	10	87	-	-	-	-
444	67	14	\$73,000	79	14	3
956	40	10	69,000	73	13	11
1,287	263	80	47,000	82	12	24
725	67	26	85,000	110	19	10
2,201	198	83	135,000	167	30	27
1,149	95	10	108,000	153	27	15
1,783	445	48	341,000	362	63	20
1,524	211	5	337,000	807	67	8
70	6	-	30,000	24	4	21
53	10	23	-	-	-	-
35	5	-	-	-	-	-
-	-	-	-	-	-	-
207	8	1	-	-	-	-
62	23	10	-	-	-	-
36	5	44	-	-	-	-
7	1	14	-	-	-	-
23	2	57	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
10,623	1,461	41	\$1,225,000	1,857	249	13

Summary of Forest Service Participants

Organization	Job Corps-Fiscal Year 1973				Cooperative Manpower Training Programs-Fiscal Year 1973			
	Appraised Value of Work Accomplished	Number of Participants	Man-Years of Participation	Minority Participation (Percent)	Appraised Value of Work Accomplished	Number of Participants	Man-Years of Participation	Minority Participation (Percent)
Chief's Office-----	-	-	-	-	-	-	-	-
Northeastern Area-----	-	-	-	-	\$19,600	18	4	17
Southeastern Area-----	-	-	-	-	-	-	-	-
<u>REGIONS:</u>								
1. Northern-----	\$1,214,070	2,709	818	45	397,941	486	73	12
2. Rocky Mountain---	768,680	1,028	376	15	312,448	585	68	52
3. Southwestern-----	274,500	720	210	84	463,768	762	85	71
4. Intermountain-----	-	-	-	-	575,042	543	120	37
5. California-----	-	-	-	-	1,485,960	3,220	287	46
6. Pacific Northwest	884,640	2,046	632	60	852,939	1,093	158	18
8. Southern-----	2,170,475	3,593	1,276	80	2,591,253	1,771	438	37
9. Eastern-----	1,022,650	1,842	593	65	1,615,903	1,458	273	23
10. Alaska-----	-	-	-	-	5,434	25	1	72
<u>RESEARCH UNITS:</u>								
Intermountain-----	-	-	-	-	31,302	81	10	20
North Central-----	-	-	-	-	16,586	29	4	-
Northeastern-----	-	(Included in Northeastern Area)			-	-	-	-
Pacific Northwest---	-	-	-	-	37,995	65	8	1
Pacific Southwest---	-	-	-	-	88,192	69	20	58
Rocky Mountain-----	-	-	-	-	32,570	37	5	38
Southeastern-----	-	(Included in Region 8)			-	-	-	-
Southern-----	-	-	-	-	-	-	-	-
Institute of Tropical Forestry-----	-	-	-	-	-	-	-	-
Forest Products Laboratory-----	-	-	-	-	-	-	-	-
Total-----	\$6,335,015	11,938	3,905	60	\$8,526,933	10,242	1,554	38

Youth Conservation Corps-Calendar Year 1973				Volunteers-Fiscal Year 1973			
Appraised Value of Work Accomplished	Number of Participants	Man-Weeks of Participation	Minority Participation (Percent)	Appraised Value of Work Accomplished	Number of Participants	Man-Years of Participation	Minority Participation (Percent)
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
\$76,000	79	624	4	\$38,633	1,017	7	2
52,000	74	576	9	12,679	107	2	8
65,000	83	640	37	9,795	28	1	29
100,000	131	768	11	14,400	94	5	-
326,000	220	1,696	26	344,373	105	79	2
129,000	157	1,216	18	38,793	575	7	5
311,000	388	2,896	29	25,777	155	4	-
362,000	718	3,456	6	57,754	104	8	2
36,000	24	192	21	3,449	5	1	20
11,000	24	192	17	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	2,987	7	1	14
-	-	-	-	-	-	-	-
-	-	-	-	16,523	11	1	0
-	-	-	-	388	4	0	0
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
\$1,457,000	1,874	12,256	16	\$565,551	2,212	116	3

Volume and Value of Timber Sold and Harvested on National Forest Land, by States,
Timber Stand Improvement and Area Planted and Seeded to Trees

Fiscal Year 1972

State	Number of Sales*	Timber Sold		Timber Harvested		Timber Stand Improvement	Area Planted and Seeded to Trees
		Volume-MBF	Value	Volume-MBF	Value	Acres	Acres
Alabama-----	228	50,879	\$1,345,752	57,294	\$1,459,371	4,300	9,195
Alaska-----	14	57,325	501,680	535,058	4,334,887	1,586	13
Arizona-----	1,423	216,464	6,443,898	249,684	7,146,724	42,994	3,252
Arkansas-----	692	188,345	5,432,577	150,400	4,184,006	18,142	14,607
California-----	4,375	1,826,473	74,384,653	2,215,048	87,686,072	38,011	30,814
Colorado-----	1,355	177,330	1,648,585	185,616	3,130,468	4,488	6,112
Florida-----	183	82,488	2,679,174	86,383	2,373,547	8,946	13,915
Georgia-----	397	51,212	1,518,811	60,655	1,788,653	1,167	3,028
Idaho-----	1,930	805,641	16,733,726	881,489	20,277,875	14,126	21,181
Illinois-----	37	5,022	78,434	10,248	195,008	1,398	1,912
Indiana-----	34	3,388	61,869	3,947	41,603	738	561
Kentucky-----	169	28,365	489,492	31,040	551,203	6,596	3,173
Louisiana-----	261	139,174	6,424,354	107,029	4,249,778	2,991	3,731
Maine-----	11	5,414	75,650	6,154	66,362	107	-
Michigan-----	372	137,533	1,166,101	121,220	1,028,942	14,439	6,006
Minnesota-----	388	115,429	633,896	132,290	749,095	6,882	10,354
Mississippi-----	496	153,176	6,863,194	145,626	5,692,347	7,398	13,829
Missouri-----	506	53,544	777,390	57,394	831,876	19,131	3,978
Montana-----	1,594	425,908	9,595,853	676,170	19,373,108	28,605	18,346
Nebraska-----	-	-	-	-	-	40	100
Nevada-----	37	359	1,835	301	2,342	335	78
New Hampshire-----	56	20,271	453,800	27,258	397,403	2,484	-
New Mexico-----	1,800	146,569	2,656,053	141,141	2,558,345	11,829	1,737
New York (LU)-----	1	42	1,265	-	-	111	1
North Carolina-----	548	56,087	1,193,999	65,944	1,219,709	7,012	3,493
North Dakota-----	-	-	-	8	65	-	-
Ohio-----	45	4,486	58,268	4,516	61,645	166	466
Oklahoma-----	51	22,874	481,184	14,661	346,491	525	2,066
Oregon-----	3,841	3,498,728	128,414,288	3,660,278	154,070,174	62,668	43,406
Pennsylvania-----	54	45,492	1,069,004	45,119	1,613,112	683	216
South Carolina-----	328	116,922	3,260,648	102,511	2,845,710	3,055	7,629
South Dakota-----	130	78,211	873,451	80,947	866,466	4,201	70
Tennessee-----	210	35,411	486,435	42,777	557,773	3,187	1,080
Texas-----	255	96,609	4,392,692	92,156	3,766,303	2,432	7,698
Utah-----	804	52,819	888,943	57,683	395,557	4,513	1,433
Vermont-----	31	16,653	550,859	12,949	598,232	3,665	-
Virginia-----	239	43,327	442,638	70,557	538,568	6,135	2,157
Washington-----	1,524	1,387,984	43,714,226	1,318,189	44,173,604	19,961	25,602
West Virginia-----	153	34,717	558,103	40,923	656,291	3,461	303
Wisconsin-----	298	98,928	816,573	91,596	807,212	7,221	3,867
Wyoming-----	549	59,887	1,266,958	118,105	1,320,663	3,615	2,838
Total-----	25,419	10,339,486	\$328,436,311	11,700,364	\$381,956,590	369,344	268,247

* Excludes non-convertible sales

NOTE--Besides these sales, approximately 150.8 million board feet of timber, valued at \$385,989, was granted free of charge to 96,984 individuals under free use during Fiscal Year 1972.

Volume and Value of Timber Sold and Harvested on National Forest Land, by States, Timber Stand
Improvement and Area Planted and Seeded to Trees

Fiscal Year 1973

State	Number of Sales*	Timber Sold		Timber Harvested		Timber Stand Improvement	Area Planted and Seeded to Trees
		Volume-MBF	Value	Volume-MBF	Value	Acres	Acres
Alabama-----	684	56,381	\$1,394,280	61,211	\$1,448,309	3,190	8,681
Alaska-----	21	74,432	511,786	593,450	3,926,942	-	-
Arizona-----	1,395	223,766	10,766,827	198,760	7,904,956	48,738	4,407
Arkansas-----	608	184,350	6,950,249	144,000	4,320,291	13,028	14,573
California-----	3,972	1,822,353	149,293,313	2,165,050	110,562,864	25,190	31,358
Colorado-----	1,328	126,414	2,870,362	147,642	2,637,945	5,272	4,583
Florida-----	170	78,227	2,896,891	88,165	2,667,902	2,132	14,599
Georgia-----	519	51,559	1,902,691	51,456	1,513,550	1,165	3,228
Idaho-----	2,034	812,472	40,957,667	907,586	27,192,628	11,748	29,631
Illinois-----	53	8,573	188,323	3,370	49,171	1,300	1,123
Indiana-----	31	3,598	119,975	2,512	41,918	778	931
Kentucky-----	125	23,918	516,114	25,011	346,859	6,857	2,651
Louisiana-----	296	139,718	7,610,175	110,880	4,771,988	5,481	4,107
Maine-----	8	2,902	54,995	6,817	89,317	-	-
Michigan-----	370	156,131	1,849,840	123,831	975,764	12,063	5,133
Minnesota-----	334	104,183	947,034	123,152	656,314	10,856	11,603
Mississippi-----	453	144,242	7,117,031	114,396	4,557,474	5,686	10,690
Missouri-----	470	56,177	1,138,314	42,842	594,804	25,565	5,091
Montana-----	1,967	465,824	20,872,080	583,440	19,469,184	19,939	21,678
Nebraska-----	1	2	10	2	10	25	50
Nevada-----	52	197	1,472	272	1,336	152	37
New Hampshire-----	43	31,739	899,956	16,619	262,038	2,189	75
New Mexico-----	1,453	130,504	4,482,403	120,775	2,978,953	13,591	3,355
New York (LU)-----	-	-	-	42	1,215	94	-
North Carolina-----	580	66,480	2,021,352	77,166	1,323,838	4,733	3,964
North Dakota-----	-	-	-	4	40	-	-
Ohio-----	37	5,590	108,777	4,915	79,538	282	1,006
Oklahoma-----	57	35,899	985,739	18,848	430,310	671	1,528
Oregon-----	5,365	3,391,578	245,806,913	4,164,999	191,256,773	72,519	56,461
Pennsylvania-----	65	48,068	1,383,660	49,078	1,391,300	410	131
South Carolina-----	501	122,034	5,623,549	135,867	3,478,066	2,873	5,047
South Dakota-----	181	110,600	2,154,122	76,960	1,089,189	8,523	202
Tennessee-----	193	36,482	584,887	34,709	467,574	4,196	1,542
Texas-----	562	94,648	5,941,210	63,832	2,924,393	2,206	9,483
Utah-----	793	21,421	852,155	53,745	754,998	2,423	1,274
Vermont-----	32	16,168	562,165	13,820	590,927	4,172	7
Virginia-----	263	47,605	598,089	50,579	467,926	5,465	1,511
Washington-----	2,776	1,338,547	103,477,748	1,735,635	74,249,673	18,818	30,379
West Virginia-----	153	19,696	298,574	29,688	510,751	1,955	626
Wisconsin-----	278	98,184	1,122,185	85,560	688,064	5,397	3,642
Wyoming-----	628	48,588	1,288,756	130,337	2,557,911	4,885	4,299
Caribbean N.F.-----	-	-	-	-	-	104	18
Total-----	28,851	10,199,250	\$636,151,669	12,357,023	\$479,233,003	354,671	298,704

*Excludes non-convertible sales

NOTE: Besides these sales, approximately 190.3 million board feet of timber, valued at \$376,419, was granted free of charge to 92,299 individuals under free use during Fiscal year 1973.

Forest Service Timber Stand Improvement

Fiscal Years 1972 and 1973

(In acres)

Type of work	Financed from--							
	Forest land management appropriation		Deposits by timber purchasers		Anti-poverty and other programs		Total	
	1972	1973	1972	1973	1972	1973	1972	1973
Planted-----	92,578	102,541	132,907	159,019	2,292	2,718	227,777	264,278
Seeded-----	16,789	12,662	23,086	21,583	398	108	40,273	34,353
Natural regeneration on prepared sites-----	15,881	15,769	38,976	33,696	3,850	2,725	58,707	52,190
Total reforestation--	125,248	130,972	194,969	214,298	6,540	5,551	326,757	350,821
Release-----	58,490	57,249	51,726	56,134	2,657	3,194	112,873	116,577
Thinning-----	121,977	110,579	116,460	117,487	5,730	5,573	244,167	233,639
Pruning-----	456	546	1,075	855	95	476	1,626	1,877
Fertilizing-----	10,118	2,064	559	255	1	2	10,678	2,321
Total timber stand improvement-----	191,041	170,438	169,820	174,731	8,483	9,245	369,344	354,414

Forest Service reforestation and stand improvement on the National Forest System

(In acres)

Fiscal Year	Planted and seeded	Natural regeneration on prepared sites	Total reforested	Stand improvement
1973-----	298,631	52,190	350,821	354,414
1972-----	268,050	58,707	326,757	369,344
1971-----	267,029	40,716	307,745	303,318
1970-----	261,173	52,058	313,231	303,661
1969-----	256,545	43,868	300,413	321,248
1968-----	268,878	52,386	321,264	364,325
Total-----	1,620,306	299,925	1,920,231	2,016,310

Forest Service allowable harvest, timber harvested and timber sold on the National Forest System

(Volumes in billions of board feet)

Fiscal year	Annual allowable harvest	Actual volume harvested	Percent of allowable harvest	Actual volume sold	Percent of allowable harvest sold
1973-----	13.6	12.4	91	10.2	75
1972-----	13.6	11.7	86	10.3	76
1971-----	13.7	10.3	75	10.6	77
1970-----	13.5	11.5	85	13.4	99
1969-----	13.6	11.8	87	18.9 ¹	139 ¹
1968-----	13.0	12.1	93	11.7	90

¹ Actual volume sold includes Juneau unit pulp sale in Alaska of 8.8 billion board feet to be harvested over a 50-year period.

Wildlife Habitat Improvement on National Forests
and National Grasslands

Fiscal Year 1972

Project	Accomplishment
Wildlife Food and Cover Improvements:	
Seeding and planting forage-----	79,973 acres
Release of forage plants-----	28,541 acres
Prescribed burning-----	97,212 acres
Protecting key wildlife areas-----	8,793 acres
Small Water Developments for Wildlife:	
Ponds, troughs, guzzlers, etc.-----	807 items
Waterfowl wetland improvement-----	6,247 acres
Fish Stream Improvements:	
Channel structures-----	1,013 items
Spawnbed improvement-----	4,164 rods
Stream barrier removal-----	751 items
Protecting stream channels-----	5,110 rods
Rough fish removal-----	106 miles
Fish Lake Improvements:	
New fishing lakes-----	2,595 acres
Fish shelters and spawnbeds-----	20 items
Aquatic plant control-----	2,036 acres
Rough fish removal-----	40,085 acres

Fiscal Year 1973¹

Project	Accomplishment
Wildlife Food and Cover Improvements:	
Seeding and planting forage-----	79,000 acres
Release, Prunning, Pushing-----	51,000 acres
Prescribed burning-----	174,000 acres
Protecting key wildlife areas-----	3,300 acres
Small Water Developments for Wildlife:	
Ponds, troughs, guzzlers, etc.-----	180,000 acres
Waterfowl wetland improvement-----	7,605 acres
Fish Stream Improvements:	
Channel structures-----	1,100 acres
Spawnbed improvement-----	27 acres
Stream barrier removal-----	330 acres
Channel stabilization-----	550 acres
Fish population control-----	480 acres
Fish Lake Improvements:	
New fishing lakes-----	3,000 acres
Fish shelters and spawnbeds-----	220 acres
Aquatic plant control-----	1,600 acres
Fish population control-----	1,400 acres

¹ Represents total habitat improved rather than acres on which habitat work was accomplished.

Annual Grazing Report

Calendar Year 1971

(National Forest System, All Regions)

Item	Cattle and horses		Sheep and Goats		Swine		Total	
	Livestock	Animal Mos.	Livestock	Animal Mos.	Livestock	Animal Mos.	Livestock	Animal unit mos.
Estimated grazing capacity net suitable National Forest Service Land-----	1,469,679	6,916,051	2,148,566	5,411,774	2	24	3,618,245	7,998,405
Permitted to graze:								
Paid permit-----	1,323,291	6,512,047	1,730,167	4,728,043	2	24	3,053,458	7,457,655
Exempt provision-----	163,867	93,076	4,238	8,359	-	-	168,105	94,747
Other paid permit-----	9,450	40,398	2,357	2,867	70	840	11,807	40,971
Total-----	1,496,608	6,645,521	1,736,762	4,739,269	72	864	3,233,370	7,593,373
Authorized nonuse-----	82,950	414,382	312,744	834,218	-	-	395,694	581,225
Actually grazed:								
Paid permit-----	1,290,672	6,075,170	1,677,599	4,289,780	-	-	2,968,271	6,933,126
Exempt provision-----	172,055	92,276	4,268	5,602	-	-	176,323	93,396
Unauthorized use-----	13,577	30,323	10,438	3,699	5,765	63,594	24,015	31,062
Other paid permit-----	9,906	39,828	2,387	2,871	70	840	12,293	40,402
Total-----	1,486,210	6,237,597	1,694,692	4,301,952	5,835	64,434	3,180,902	7,097,986
Estimated grazing capacity waived private land-----	92,948	383,089	87,593	212,932	-	-	180,541	425,675
Permitted under private land permit-----	83,340	328,376	93,918	212,503	-	-	177,258	370,876
Actually grazed - private land permit-----	79,936	305,332	88,107	181,132	-	-	168,043	341,558
Permitted under crossing permit-----	102,097	-	498,627	-	-	-	600,724	-
Paid permits (number)-----		15,684		1,353	-	-		17,037
Exempt owners (number)-----	-		-		-	-		82,438
Private land permits (number)-----		1,787		158	-	-		1,945
Crossing permits (number)-----		490		347	-	-		837
Losses:								
Poisonous plants-----	2,398		5,303		-	-		-
Predatory animals-----	2,106		32,044		-	-		-
Other-----	11,003		19,386		-	-		-
Total-----	15,507		56,733		-	-		-

Annual Grazing Report

Calendar Year 1972

(National Forest System, All Regions)

Item	Cattle and horses		Sheep and Goats		Swine		Total	
	Livestock	Animal Mos.	Livestock	Animal Mos.	Livestock	Animal Mos.	Livestock	Animal unit Mos.
Estimated grazing capacity net suitable National Forest Service land-----	1,526,589	7,081,075	2,166,077	5,469,481	-	-	3,692,666	8,174,971
Permitted to graze:								
Paid permit-----	1,349,616	6,550,486	1,692,678	4,539,617	-	-	3,042,294	7,458,409
Exempt provision-----	178,044	94,073	7,188	11,987	-	-	185,232	96,470
Other paid permit-----	12,480	49,766	2,975	3,008	70	840	15,455	50,367
Total-----	1,540,140	6,694,325	1,702,841	4,554,612	70	840	3,242,981	7,605,246
Authorized nonuse-----	92,763	471,181	345,830	848,347	-	-	438,593	640,850
Actually grazed:								
Paid permit-----	1,320,634	6,163,345	1,629,722	4,122,738	-	-	2,950,356	6,987,892
Exempt provision-----	167,804	89,405	5,780	6,923	-	-	173,584	90,789
Unauthorized use-----	14,299	24,931	13,932	4,443	4,580	53,338	28,231	25,819
Other paid permit-----	13,450	48,958	3,010	2,979	70	840	16,460	49,553
Total-----	1,516,187	6,326,639	1,652,444	4,137,083	4,650	54,178	3,168,631	7,154,053
Estimated grazing capacity waived private land-----	88,693	369,132	92,886	203,648	-	-	181,579	409,861
Permitted under private land permit-----	80,385	314,806	95,295	204,225	-	-	175,680	355,651
Actually grazed - private land permit-----	76,899	296,713	85,094	174,462	-	-	161,993	331,605
Permitted under crossing permit-----	87,109	-	399,079	-	-	-	486,188	-
Losses:								
Paid permits (number)-----		15,282		1,296		-		16,578
Exempt owners (number)-----	-		-			-		79,021
Private land permits (number)-----		1,804		161		-		1,965
Crossing permits (number)-----		473		286		-		759
Poisonous plants-----	2,259			5,516		-		-
Predatory animals-----	1,047			40,686		-		-
Other-----	9,520			19,759		-		-
Total-----	12,826			65,961		-		-

Estimated Legal Harvest of Principal Big-game Animals¹ in National Forests, National Grasslands,
and Land Utilization Projects

Fiscal Year 1972

State	Deer	Elk	Bear	Antelope	Moose	Turkey ²
Alabama-----	1,628	-	-	-	-	605
Alaska-----	7,080	27	671	-	717	-
Arizona-----	7,511	1,219	255	187	-	1,585
Arkansas-----	2,498	-	-	-	-	1,010
California-----	17,193	10	480	116	-	33
Colorado-----	22,676	11,225	239	558	-	197
Florida-----	936	-	17	-	-	225
Georgia-----	3,704	-	2	-	-	67
Idaho-----	43,288	12,299	1,768	581	136	37
Illinois-----	1,890	-	-	-	-	37
Indiana-----	330	-	-	-	-	7
Kansas-----	7	-	-	-	-	-
Kentucky-----	543	-	45	-	-	9
Louisiana-----	2,333	-	-	-	-	-
Maine-----	58	-	6	-	-	-
Michigan-----	10,555	-	183	-	-	68
Minnesota-----	300	-	145	-	134	-
Mississippi-----	3,711	-	-	-	-	693
Missouri-----	4,506	-	-	-	-	1,526
Montana-----	37,678	10,352	1,270	388	510	125
Nebraska-----	565	-	-	158	-	177
Nevada-----	10,642	6	-	31	-	-
New Hampshire-----	636	-	44	-	-	-
New Mexico-----	19,512	617	317	37	-	726
New York-----	150	-	5	-	-	2
North Carolina-----	2,905	-	103	-	-	29
North Dakota-----	2,086	-	-	321	-	-
Ohio-----	106	-	-	-	-	11
Oklahoma-----	342	-	-	-	-	-
Oregon-----	43,731	7,133	765	101	-	38
Pennsylvania-----	5,605	-	66	-	-	1,200
South Carolina-----	3,253	-	-	-	-	238
South Dakota-----	9,277	62	-	1,045	-	659
Tennessee-----	594	-	-	-	-	33
Texas-----	396	-	-	1	-	-
Utah-----	67,304	1,659	12	30	32	162
Vermont-----	266	-	33	-	-	-
Virginia-----	10,722	-	187	-	-	3,259
Washington-----	13,441	3,938	1,355	-	-	9
West Virginia-----	3,233	-	44	-	-	1,078
Wisconsin-----	1,888	-	205	-	-	-
Wyoming-----	30,342	13,893	327	2,968	1,060	665
Total-----	396,000	63,000	8,500	6,500	2,600	15,000

¹ Legal harvest of other big-game animals for all lands administered by the Forest Service includes 2,500 peccary, 1,200 mountain goats, 300 bighorn sheep, 18 Dall sheep, and 260 wild boar.

² Turkey are classed as a big-game species for this report.

NOTE--Total figures are rounded-off.

Estimated Legal Harvest of Principal Big-game Animals¹ in National Forests, National Grasslands,
and Land Utilization Projects

Fiscal Year 1973

State	Deer	Elk	Bear	Antelope	Moose	Turkey ²
Alabama-----	1,130	-	-	-	-	495
Alaska-----	3,820	15	565	-	535	-
Arizona-----	8,327	1,168	139	169	-	1,340
Arkansas-----	3,695	-	-	-	-	1,104
California-----	17,962	-	402	150	-	130
Colorado-----	30,665	16,645	235	580	-	130
Florida-----	891	-	23	-	-	88
Georgia-----	3,728	-	10	-	-	102
Idaho-----	40,472	11,950	2,119	358	419	69
Illinois-----	1,727	-	-	-	-	41
Indiana-----	310	-	-	-	-	5
Kansas-----	-	-	-	-	-	-
Kentucky-----	258	-	-	-	-	19
Louisiana-----	2,160	-	-	-	-	-
Maine-----	86	-	6	-	-	-
Michigan-----	10,118	-	249	-	-	75
Minnesota-----	7,604	-	130	-	-	-
Mississippi-----	3,697	-	-	-	-	648
Missouri-----	3,800	-	-	-	-	1,190
Montana-----	32,950	9,450	1,080	360	600	140
Nebraska-----	570	-	-	220	-	170
Nevada-----	9,100	16	-	22	-	-
New Hampshire-----	692	-	39	-	-	-
New Mexico-----	18,645	636	201	30	-	753
New York-----	-	-	-	-	-	-
North Carolina-----	2,835	-	174	-	-	36
North Dakota-----	2,100	-	-	330	-	-
Ohio-----	560	-	-	-	-	10
Oklahoma-----	25	-	-	-	-	20
Oregon-----	32,642	7,442	820	153	-	175
Pennsylvania-----	6,580	-	57	-	-	1,205
South Carolina-----	2,780	-	-	-	-	230
South Dakota-----	9,980	70	1	430	-	490
Tennessee-----	621	-	-	-	-	47
Texas-----	840	-	-	-	-	-
Utah-----	70,602	2,366	17	30	72	51
Vermont-----	481	-	25	-	-	10
Virginia-----	11,188	-	88	-	-	3,240
Washington-----	9,815	4,443	1,330	-	-	20
West Virginia-----	3,200	-	50	-	-	740
Wisconsin-----	1,370	-	178	-	-	-
Wyoming-----	22,490	12,280	240	3,928	1,101	780
Total-----	376,900	66,500	8,000	6,700	2,700	13,600

¹ Legal harvest of other big-game animals for all lands administered by the Forest Service includes 2,300 peccary, 1,400 mountain goats, 300 bighorn sheep, 20 Dall sheep, and 560 wild boar.

² Turkey are classed as a big-game species for this report.

NOTE--Total figures are rounded-off.

Construction, Reconstruction and Maintenance of National Forest (forest development) Roads, Bridges and Trails

Fiscal Year 1972

State and Commonwealth	Roads				Bridges	Trails		Total Obligations From all U.S. Funds
	Construc- tion and Reconstruc- tion	Construction and Recon- struction by Timber Purchasers		Existing		Construc- tion and Reconstruc- tion	Existing	
	Miles	Miles	Dollars	Miles		Number	Miles	
Alabama-----	-	0.5	\$2,320	811	-	-	-	\$677,493.62
Alaska-----	11.9	57.0	2,485,000	556	-	2.6	569.9	4,170,832.00
Arizona-----	35.5	116.3	1,077,369	10,199	2	11.0	2,914.0	4,988,630.47
Arkansas-----	1.8	47.9	415,550	2,683	6	10.0	27.7	2,045,035.13
California-----	7.7	1001.5	28,741,830	38,086	2	4.2	14,601.2	30,113,796.95
Colorado-----	70.7	84.7	794,674	14,280	-	16.2	8,501.3	6,820,174.52
Florida-----	3.2	-	-	1,233	3	25.0	213.7	945,508.36
Georgia-----	2.1	10.5	74,375	1,328	-	20.0	348.6	743,573.28
Idaho-----	51.8	525.5	4,846,470	19,392	33	2.0	18,135.6	18,730,275.21
Illinois-----	3.2	-	-	423	-	-	57.9	723,348.12
Indiana-----	-	-	-	1,114	-	-	-	148,483.09
Kansas-----	-	-	-	69	-	-	-	9,943.35
Kentucky-----	11.6	-	-	1,026	1	0.3	139.6	1,089,716.25
Louisiana-----	7.5	122.4	303,368	1,072	17	-	-	1,013,350.00
Maine-----	-	-	-	61	-	-	80.5	41,182.39
Michigan-----	19.9	-	-	3,343	2	-	389.1	2,912,208.31
Minnesota-----	32.3	0.8	8,500	2,896	11	-	621.9	2,241,363.21
Mississippi-----	3.0	48.7	519,564	1,114	19	23.1	44.9	1,096,162.53
Missouri-----	26.7	1004.6	3,586	1,154	-	12.0	86.0	1,145,991.51
Montana-----	33.3	323.2	2,026,406	17,029	22	5.2	14,078.3	9,992,826.97
Nebraska-----	0.8	-	-	470	-	-	24.0	260,917.07
Nevada-----	5.5	-	-	3,321	-	1.0	1,757.5	2,169,644.14
New Hampshire-----	9.6	1.4	20,115	318	5	-	1,048.1	825,795.68
New Mexico-----	77.1	47.1	724,340	6,736	-	-	2,771.4	6,797,220.59
New York-----	-	-	-	23	-	-	14.2	5,593.50
North Carolina-----	2.3	27.4	65,185	1,120	1	9.1	1,196.9	1,302,926.94
North Dakota-----	-	-	-	1,403	-	-	-	157,059.58
Ohio-----	-	-	-	119	-	-	16.5	113,697.36
Oklahoma-----	-	6.3	37,980	220	1	-	19.6	191,150.11
Oregon-----	131.6	2209.6	47,698,647	32,189	4	131.8	7,128.6	33,454,946.15
Pennsylvania-----	2.4	29.8	305,759	775	5	-	118.3	1,196,438.55
Puerto Rico-----	-	-	-	3	-	-	38.9	-
South Carolina-----	5.1	21.3	151,879	1,002	11	30.0	79.5	934,069.78
South Dakota-----	13.9	27.0	246,847	2,826	-	-	29.5	1,284,745.61
Tennessee-----	5.0	-	-	729	-	6.3	560.6	793,013.62
Texas-----	4.3	27.0	439,857	748	13	2.5	66.3	1,015,744.22
Utah-----	11.5	16.9	162,400	7,442	2	12.9	5,998.6	4,830,107.73
Vermont-----	8.4	6.7	93,536	178	-	-	232.5	945,990.30
Virginia-----	13.3	-	-	1,286	1	72.6	1,291.3	2,107,943.89
Washington-----	54.1	697.2	9,522,657	13,291	8	80.4	6,559.0	14,676,849.58
West Virginia-----	4.9	4.7	33,028	743	2	-	754.3	1,497,170.41
Wisconsin-----	16.7	7.4	46,319	2,272	-	5.0	340.8	1,599,841.10
Wyoming-----	23.5	38.6	330,620	6,234	2	12.0	5,536.5	4,010,095.79
Washington Office-----	-	-	-	-	-	-	-	3,412,575.02
Total-----	712.2	6512.0	101,178,182	201,317	173	495.2	96,393.1	173,233,431.99

Construction, Reconstruction and Maintenance of National Forest (forest development) Roads, Bridges and Trails

Fiscal Year 1973

State and Commonwealth	Roads			Existing ¹	Bridges	Trails		Total Obligations From all U.S. Funds ¹
	Construc- tion and Reconstruc- tion	Construction and Recon- struction by Timber Purchasers				Construc- tion and Reconstruc- tion ¹	Existing ¹	
	Miles	Miles	Dollars	Miles	Number	Miles	Miles	Dollars
Alabama-----	-	6.8	\$54,900	811	1	-	-	\$677,493.62
Alaska-----	2.5	127.6	5,680,000	556	7	2.6	569.9	4,170,832.00
Arizona-----	63.8	136.0	1,166,910	10,199	1	11.0	2,914.0	4,988,630.47
Arkansas-----	0.1	59.9	420,050	2,683	5	10.0	27.7	2,045,035.13
California-----	41.5	3433.5	43,183,007	38,086	4	4.2	14,601.2	30,113,796.95
Colorado-----	21.8	130.0	1,399,477	14,280	2	16.2	8,501.3	6,820,174.52
Florida-----	0.5	-	-	1,233	1	25.0	213.7	945,508.36
Georgia-----	1.0	3.8	79,905	1,328	2	20.0	348.6	743,573.28
Idaho-----	15.7	963.6	10,401,444	19,392	19	2.0	18,135.6	18,730,275.21
Illinois-----	-	-	-	423	-	-	57.9	723,348.12
Indiana-----	-	-	-	1,114	-	-	-	148,483.09
Kansas-----	-	-	-	69	-	-	-	9,943.35
Kentucky-----	3.8	4.6	21,545	1,026	1	0.3	139.6	1,089,716.25
Louisiana-----	1.4	23.9	162,072	1,072	11	-	-	1,013,350.00
Maine-----	1.2	-	-	61	-	-	80.5	41,182.39
Michigan-----	21.1	-	-	3,343	3	-	389.1	2,912,208.31
Minnesota-----	38.5	0.8	8,500	2,896	24	-	621.9	2,241,363.21
Mississippi-----	0.6	13.1	59,203	1,114	8	23.1	44.9	1,096,162.53
Missouri-----	3.0	1004.6	3,586	1,154	-	12.0	86.0	1,145,991.51
Montana-----	37.8	628.8	4,913,220	17,029	8	5.2	14,078.3	9,992,826.97
Nebraska-----	-	-	-	470	-	-	24.0	260,917.07
Nevada-----	3.0	-	-	3,321	-	1.0	1,757.5	2,169,644.14
New Hampshire-----	6.3	1.4	20,115	318	1	-	1,048.1	825,795.68
New Mexico-----	12.1	93.9	1,833,209	6,736	2	-	2,771.4	6,797,220.59
New York-----	-	-	-	23	-	-	14.2	5,593.50
North Carolina-----	0.1	19.6	68,708	1,120	1	9.1	1,196.9	1,302,926.94
North Dakota-----	-	-	-	1,403	-	-	-	157,059.58
Ohio-----	-	-	-	119	-	-	16.5	113,697.36
Oklahoma-----	-	-	-	220	1	-	19.6	191,150.11
Oregon-----	82.6	2237.4	44,422,822	32,189	13	131.8	7,128.6	33,454,946.15
Pennsylvania-----	-	29.8	305,759	775	2	-	118.3	1,196,438.55
Puerto Rico-----	-	-	-	3	-	-	38.9	-
South Carolina-----	1.4	22.0	219,100	1,002	1	30.0	79.5	934,069.78
South Dakota-----	11.4	22.3	295,569	2,826	2	-	29.5	1,284,745.61
Tennessee-----	3.0	5.2	70,000	729	2	6.3	560.6	793,013.62
Texas-----	3.4	32.8	274,113	748	3	2.5	66.3	1,015,744.22
Utah-----	6.6	39.6	172,328	7,442	1	12.9	5,998.6	4,830,107.73
Vermont-----	-	6.7	93,536	178	-	-	232.5	945,990.30
Virginia-----	0.4	-	-	1,286	-	72.6	1,291.3	2,107,943.89
Washington-----	13.1	737.5	14,823,682	13,291	9	80.4	6,559.0	14,676,849.58
West Virginia-----	-	4.7	33,028	743	3	-	754.3	1,497,170.41
Wisconsin-----	18.3	7.4	46,319	2,272	1	5.0	340.8	1,599,841.10
Wyoming-----	36.1	29.9	392,743	6,234	1	12.0	5,536.5	4,010,095.79
Washington Office-----	-	-	-	-	-	-	-	3,412,575.02
Total-----	452.1	9827.2	130,624,850	201,317	140	495.2	96,393.1	173,233,431.99

¹ Fiscal Year 1972 figures are given, since figures from the Fiscal Year 1973 Road and Trail Summaries were not available in time for publication in this report.

NOTE--Figures for Arizona and New Mexico are tentative, pending receipt of final reports from Region 3. Also, figures given for the timber purchaser information for Region 9 are from Fiscal Year 1972, since Fiscal Year 1973 figures were not available in time for publication in this report.

Cooperative Forest Management Progress and Expenditures

(Forest Service and State Foresters Cooperating)

Fiscal Year 1972

State and Commonwealth	Progress				Expenditures		
	Woodland Owners Assisted	Woodland Involved	Products Harvested	Gross Sale Value	Federal	State	Total
	Number	Acres	MBF	Dollars	Dollars	Dollars	Dollars
Alabama-----	3,495	121,543	1,628	\$50,271	\$119,365	\$130,265	\$249,630
Alaska-----	193	1,231	0	0	26,487	26,487	52,974
Arizona-----	455	41	50	441	18,073	20,040	38,113
Arkansas-----	1,960	16,206	1,909	53,744	99,016	118,265	217,281
California-----	6,658	381,489	7,098	46,025	83,999	112,512	196,511
Colorado-----	5,389	71,088	1,617	0	55,125	134,848	189,973
Connecticut-----	3,947	20,692	997	10,828	35,400	55,836	90,236
Delaware-----	268	80,991	219	4,500	21,471	21,471	42,942
Florida-----	16,912	312,428	44,383	1,193,587	203,575	505,192	708,767
Georgia-----	22,377	436,548	28,807	1,710,423	223,035	334,178	557,213
Hawaii-----	188	200,155	0	0	15,777	22,812	38,589
Idaho-----	1,281	3,247,181	1,186	500	41,943	44,686	86,629
Illinois-----	2,813	65,302	7,321	448,511	66,300	268,231	334,531
Indiana-----	2,754	100,242	10,485	564,804	62,600	153,536	216,136
Iowa-----	3,364	20,365	3,055	18,510	44,700	67,239	111,939
Kansas-----	3,126	309,218	510	76,668	34,885	61,585	96,470
Kentucky-----	2,834	93,095	10,472	463,485	150,537	406,684	557,221
Louisiana-----	3,627	101,533	21,196	783,300	95,988	153,124	249,112
Maine-----	8,447	159,937	18,514	15,601	115,800	192,339	308,139
Maryland-----	7,239	85,192	5,206	123,483	78,400	274,574	352,974
Massachusetts-----	3,955	51,507	11,946	69,790	44,400	60,849	105,249
Michigan-----	7,044	124,601	14,830	163,241	138,800	266,372	405,172
Minnesota-----	10,742	91,066	2,440	16,427	98,100	239,322	337,422
Mississippi-----	23,217	298,763	34,128	1,268,821	123,919	308,073	431,992
Missouri-----	10,163	142,211	0	0	143,479	465,390	608,869
Montana-----	1,952	46,759	2,212	11,665	56,959	57,126	114,085
Nebraska-----	1,721	3,475	207	33,411	36,602	46,785	83,387
Nevada-----	568	96,681	0	0	35,248	51,857	87,105
New Hampshire-----	4,608	140,421	4,444	6,291	58,000	78,235	136,235
New Jersey-----	2,387	19,672	3,350	2,300	44,800	94,504	139,304
New Mexico-----	747	127,821	799	4,420	46,864	57,571	104,435
New York-----	14,351	1,150,727	28,403	79,097	162,800	623,575	786,375
North Carolina-----	7,188	182,193	48,632	978,551	245,519	1,019,022	1,264,541
North Dakota-----	656	4,736	0	0	30,248	37,660	67,908
Ohio-----	4,811	202,083	23,511	943,585	107,400	275,446	382,846
Oklahoma-----	1,129	33,194	216	146,006	37,333	37,434	74,767
Oregon-----	7,534	477,905	8,777	64,363	68,261	94,783	163,044
Pennsylvania-----	3,500	51,444	8,737	18,692	145,800	402,264	547,064
Rhode Island-----	375	9,695	73	0	18,500	24,434	42,934
South Carolina-----	6,932	288,300	22,610	826,394	130,574	260,062	390,636
South Dakota-----	1,475	33,446	1,947	0	32,872	83,681	116,553
Tennessee-----	2,676	969,627	18,199	920,849	91,654	155,315	246,969
Texas-----	5,002	111,323	7,818	296,623	83,690	201,446	285,136
Utah-----	1,249	10,068	761	6,124	35,751	41,851	77,602
Vermont-----	5,155	82,963	7,983	87,151	88,100	243,348	331,448
Virginia-----	18,436	298,243	463,167	11,712,677	192,273	947,211	1,139,484
Washington-----	3,483	38,286	7,599	290,230	75,665	160,398	236,063
West Virginia-----	6,051	121,976	8,581	5,882	82,500	153,250	235,750
Wisconsin-----	18,226	121,463	58,851	73,666	201,500	694,551	896,051
Wyoming-----	221	2,071	753	16,127	34,585	35,886	70,471
U.S. Total-----	272,881	11,157,197	955,627	23,607,064	4,284,672	10,321,605	14,604,277
Puerto Rico-----	1,042	844	24	1,055	30,000	48,543	78,543
Virgin Islands-----	78	287	0	0	8,412	8,413	16,825
Total-----	274,001	11,158,328	955,651	23,608,119	4,323,084	10,321,605	14,699,645

Cooperative Forest Management Progress and Expenditures

(Forest Service and State Foresters Cooperating)

Fiscal Year 1973

State and Commonwealth	Progress				Expenditures		
	Woodland Owners Assisted	Woodland Involved	Products Harvested	Gross Sale Value	Federal	State	Total
	Number	Acres	MBF	Dollars	Dollars	Dollars	Dollars
Alabama-----	1,250	71,404	9,950	\$112,537	\$115,200	\$179,691	\$294,891
Alaska-----	70	387	-	-	21,770	43,540	65,310
Arizona-----	6	160	-	-	19,436	19,436	38,872
Arkansas-----	512	75,261	1,240	50,348	95,600	143,439	239,039
California-----	1,032	83,059	2,953	153,030	90,359	151,359	241,718
Colorado-----	970	69,706	3,379	59,723	53,200	124,800	178,000
Connecticut-----	2,095	28,126	2,412	328,697	34,100	77,567	111,667
Delaware-----	187	4,670	2,663	494,679	23,000	24,911	47,911
Florida-----	3,208	483,266	55,324	877,078	196,500	775,016	971,516
Georgia-----	4,396	927,255	71,834	1,501,698	215,200	536,805	752,005
Hawaii-----	77	5,210	6	450	18,741	18,871	37,612
Idaho-----	332	15,718	724	30,185	40,500	41,223	81,723
Illinois-----	2,172	58,668	9,795	594,908	66,500	446,242	512,742
Indiana-----	3,191	126,258	9,587	484,323	61,500	135,130	196,630
Iowa-----	1,232	18,458	3,645	55,798	42,900	87,109	130,009
Kansas-----	787	14,408	1,157	118,358	34,900	88,990	123,890
Kentucky-----	2,253	106,416	13,288	580,054	152,300	-	-
Louisiana-----	1,007	89,234	46,550	536,973	92,600	145,793	238,393
Maine-----	3,614	112,141	61,461	205,443	108,800	217,398	326,198
Maryland-----	1,602	38,816	8,625	293,656	77,100	293,059	370,159
Massachusetts-----	1,472	130,429	6,690	102,960	42,400	75,079	117,479
Michigan-----	1,588	122,214	67,485	352,603	130,800	199,200	330,000*
Minnesota-----	1,683	65,842	886	31,244	96,100	265,339	361,439
Mississippi-----	10,199	956,851	163,242	2,342,875	124,100	778,526	902,626
Missouri-----	3,048	300,740	24,534	69,787	146,300	404,543	550,843
Montana-----	511	44,449	2,859	110,245	55,000	70,697	125,697
Nebraska-----	421	7,343	2,849	75,219	36,300	47,063	83,363
Nevada-----	35	511	-	-	34,000	43,400	77,400
New Hampshire-----	1,981	74,048	4,309	165,663	54,500	179,941	234,441
New Jersey-----	977	106,012	2,958	48,926	43,100	146,250	189,350
New Mexico-----	223	130,340	58	2,644	46,700	74,022	120,722
New York-----	5,151	256,262	46,200	1,267,176	162,300	596,181	758,481
North Carolina-----	5,221	189,882	26,496	781,493	249,800	1,192,947	1,442,747
North Dakota-----	512	21,610	-	-	30,300	45,756	76,056
Ohio-----	2,866	366,061	30,297	1,631,119	104,900	377,574	482,474
Oklahoma-----	287	22,884	1,357	44,220	37,300	48,994	86,294
Oregon-----	2,469	105,941	44,770	921,060	65,900	101,963	167,863
Pennsylvania-----	2,545	103,469	114,068	488,316	143,900	674,678	818,578
Rhode Island-----	375	6,427	1,256	296,958	23,926	23,926	47,852
South Carolina-----	3,580	260,472	31,274	1,373,599	126,000	289,766	415,766
South Dakota-----	667	12,693	6,145	32,362	32,300	40,270	72,570
Tennessee-----	1,752	141,759	27,789	1,151,978	91,400	680,511	771,911
Texas-----	1,442	75,074	36,596	263,097	83,300	232,496	315,796
Utah-----	152	15,543	151	1,930	35,400	44,969	80,369
Vermont-----	1,004	131,924	6,113	841	85,600	203,284	288,884
Virginia-----	17,849	286,828	574,934	18,657,991	193,700	831,032	1,024,732
Washington-----	1,871	45,857	7,568	362,570	72,000	103,631	175,631
West Virginia-----	2,830	60,361	23,831	559,294	80,300	199,867	280,167
Wisconsin-----	2,715	86,741	17,970	59,854	189,300	652,614	841,914
Wyoming-----	96	13,791	1,386	34,743	33,400	45,675	79,075
U.S. Total-----	105,515	6,470,979	1,578,664	37,708,705	4,095,829	12,307,051	16,402,880
Puerto Rico-----	907	915	-	-	30,000	78,880	108,880
Virgin Islands-----	-	-	-	-	7,597	7,598	-
Total-----	106,422	6,471,894	1,578,664	37,708,705	4,133,426	12,393,529	16,511,760

Forest Fires on State and Private Areas Protected Under the Clark-McNary Act, Section 2

Calendar Years 1971 and 1972

State	Area Protected		Number of Fires		Area Acres Burned	
	1971	1972	1971	1972	1971	1972
	(Thousand Acres)		(Hundreds)		(Hundred Acres)	
Alabama-----	25,029	25,029	5,755	6,118	101,344	83,368
Alaska-----	16,000	14,086	144	116	8,676	291
Arizona-----	3,129	4,260	218	177	8,704	3,573
Arkansas-----	20,698	20,698	3,805	3,525	94,096	69,780
California-----	19,985	33,297	3,366	7,610	22,364	73,778
Colorado-----	9,482	9,482	1,049	553	13,798	5,000
Connecticut-----	1,990	1,900	593	328	1,382	673
Delaware-----	392	392	50	11	355	58
Florida-----	24,741	26,243	9,615	7,179	664,330	97,530
Georgia-----	27,569	27,307	9,998	9,594	42,193	33,965
Hawaii-----	1,929	1,929	38	38	1,515	3,123
Idaho-----	9,901	9,901	380	657	15,465	8,493
Illinois-----	3,568	3,568	352	177	10,430	5,186
Indiana-----	4,012	4,012	508	291	12,059	3,921
Iowa-----	2,609	2,609	159	74	4,327	558
Kansas-----	12,552	19,329	658	1,345	10,565	57,098
Kentucky-----	16,886	16,886	2,153	977	44,567	9,424
Louisiana-----	12,239	12,239	4,727	4,814	46,937	45,552
Maine-----	17,321	17,321	476	430	769	1,678
Maryland-----	2,855	2,855	586	334	1,667	795
Massachusetts-----	3,252	3,252	4,379	3,158	4,051	3,013
Michigan-----	17,641	17,641	1,210	1,060	5,593	5,646
Minnesota-----	17,653	17,653	1,073	811	28,704	39,817
Mississippi-----	19,713	19,852	5,600	5,980	64,981	60,549
Missouri-----	11,374	11,374	3,694	2,544	43,291	21,104
Montana-----	8,255	8,315	441	420	5,977	1,241
Nebraska-----	7,022	26,319	1,252	1,514	33,088	158,690
Nevada-----	2,216	3,260	229	294	1,577	1,024
New Hampshire-----	4,339	4,339	474	465	159	436
New Jersey-----	2,108	2,564	1,632	994	40,393	1,931
New Mexico-----	37,584	44,629	344	171	30,293	7,575
New York-----	12,621	12,621	596	508	2,203	2,693
North Carolina-----	20,403	20,403	3,578	2,399	96,782	37,849
North Dakota-----	228	228	6	4	93	40
Ohio-----	4,005	4,005	1,203	596	6,939	2,276
Oklahoma-----	8,072	4,979	839	1,149	64,433	63,980
Oregon-----	13,099	16,151	874	1,301	5,126	4,953
Pennsylvania-----	16,560	16,560	1,607	1,000	14,901	3,881
Rhode Island-----	434	434	938	483	1,268	603
South Carolina-----	12,050	12,050	4,487	4,652	30,350	32,392
South Dakota-----	27,154	25,816	815	459	20,890	13,853
Tennessee-----	12,686	12,478	3,377	1,911	36,819	18,499
Texas-----	10,438	18,588	1,849	1,152	30,557	12,077
Utah-----	9,006	9,006	331	387	16,925	8,985
Vermont-----	4,084	4,084	69	80	90	262
Virginia-----	14,413	14,367	1,618	762	14,379	2,192
Washington-----	12,509	12,509	1,014	1,399	1,363	3,180
West Virginia-----	10,562	12,267	1,563	850	48,318	9,847
Wisconsin-----	15,264	15,264	1,518	1,721	3,927	3,799
Wyoming-----	6,811	6,811	433	438	67,567	24,078
Total-----	574,443	631,162	91,673	83,010	1,826,580	1,050,309

Fire Control Dollar Expenditures

Under the Clarke-McNary Act, Section 2

Fiscal Years 1972 and 1973

State	1972				1973			
	Federal Funds	State and County Funds	Private and Other ¹ Funds	Total	Federal Funds	State and County Funds	Private and Other ¹ Funds	Total
Alabama-----	575,650	2,090,607	-	2,666,257	585,500	1,948,085	-	2,533,585
Alaska-----	251,864	342,611	-	594,475	359,200	3,750,024	-	4,109,224
Arizona-----	57,214	51,898	14,617	123,729	65,500	96,671	15,270	177,441
Arkansas-----	553,310	1,677,290	141,970	2,372,570	536,800	1,513,151	339,601	2,389,552
California-----	1,319,353	28,006,640	-	29,325,993	1,284,500	33,088,041	-	34,372,541
Colorado-----	191,070	1,573,930	-	1,765,000	249,800	1,848,930	-	2,098,730
Connecticut-----	147,383	243,303	-	390,686	144,300	199,041	-	343,341
Delaware-----	47,000	64,211	-	111,211	50,600	69,114	-	119,714
Florida-----	741,386	7,242,881	-	7,984,267	720,500	8,311,208	-	9,031,708
Georgia-----	780,739	6,654,727	-	7,435,466	760,100	7,004,065	-	7,764,165
Hawaii-----	66,643	158,593	-	225,236	66,300	190,777	-	257,077
Idaho-----	401,667	743,823	100,635	1,246,125	400,200	777,226	57,322	1,234,748
Illinois-----	138,202	678,504	-	816,706	144,800	434,519	-	579,319
Indiana-----	101,712	293,587	-	395,299	98,900	306,287	-	405,187
Iowa-----	74,284	99,091	-	173,375	71,500	122,754	-	194,254
Kansas-----	229,249	894,641	-	1,123,890	231,300	884,310	-	1,115,610
Kentucky-----	431,825	1,287,434	-	1,719,259	436,900	1,355,584	-	1,792,484
Louisiana-----	661,348	3,338,902	21,229	4,021,479	645,400	3,207,133	21,343	3,873,876
Maine-----	521,037	1,814,277	-	2,335,314	507,100	2,062,305	-	2,569,405
Maryland-----	276,979	962,671	-	1,239,650	277,800	974,513	-	1,252,313
Massachusetts-----	257,187	620,910	-	878,097	250,500	598,377	-	848,877
Michigan-----	656,253	3,101,352	-	3,757,605	638,900	3,304,423	-	3,943,323
Minnesota-----	421,201	468,096	-	889,297	410,100	883,027	-	1,293,127
Mississippi-----	623,896	3,142,024	-	3,765,920	623,800	3,493,727	-	4,117,527
Missouri-----	517,592	2,219,418	-	2,737,010	522,200	1,043,866	-	1,566,066
Montana-----	220,325	930,001	-	1,150,326	223,000	1,044,626	-	1,267,626
Nebraska-----	189,864	495,272	-	685,136	199,500	817,163	-	1,016,663
Nevada-----	216,727	680,389	-	897,116	223,100	385,278	-	608,378
New Hampshire-----	142,510	263,188	-	405,698	137,800	340,923	-	478,723
New Jersey-----	284,053	999,305	-	1,283,358	290,500	1,000,882	-	1,291,382
New Mexico-----	109,800	197,494	15,907	323,201	109,600	81,017	23,028	213,645
New York-----	532,493	2,198,435	-	2,730,928	537,200	2,012,513	-	2,549,713
North Carolina----	684,826	4,013,668	42,896	4,741,390	672,000	4,067,254	41,508	4,780,762
North Dakota-----	28,991	20,224	-	49,215	34,769	36,901	-	71,670
Ohio-----	235,641	357,558	-	593,199	234,400	535,798	-	770,198
Oklahoma-----	261,098	761,485	580	1,023,163	283,800	738,652	962	1,023,414
Oregon-----	691,993	4,092,431	321,578	5,106,002	677,700	3,496,346	348,170	4,522,216
Pennsylvania-----	506,138	2,475,014	-	2,981,152	504,500	3,316,676	-	3,821,176
Rhode Island-----	80,301	233,343	-	313,644	78,400	311,192	-	389,592
South Carolina----	616,216	2,970,778	-	3,586,994	611,500	3,440,253	-	4,051,753
South Dakota-----	90,128	311,751	-	401,879	95,400	359,613	-	455,013
Tennessee-----	622,860	3,023,084	-	3,645,944	613,200	2,535,917	-	3,149,117
Texas-----	451,919	1,493,605	158,317	2,103,841	439,700	1,641,258	-	2,080,958
Utah-----	155,593	391,692	-	547,285	159,400	466,277	-	625,677
Vermont-----	80,863	97,575	-	178,438	78,900	109,746	-	188,646
Virginia-----	575,644	2,163,509	-	2,739,153	569,000	2,279,647	-	2,848,647
Washington-----	694,457	4,705,140	-	5,399,597	683,900	5,655,418	-	6,339,318
West Virginia-----	256,589	595,721	-	852,310	259,300	699,824	-	959,124
Wisconsin-----	619,943	3,079,546	-	3,699,489	615,400	2,887,923	-	3,503,323
Wyoming-----	121,975	410,720	-	532,695	132,900	284,570	-	417,470
Other ² -----	1,518,009	-	-	1,518,009	1,477,631	-	-	1,477,631
	20,025,000	104,732,349	817,729	125,575,078	20,025,000	116,012,825	847,204	136,885,029

¹ Private expenditures spent under direct supervision of State Foresters as part of the Clarke-McNary program.

² For Administration, Inspection, Prevention and Special Services to the States.

Funds and Quantity of Forest and Windbarrier Planting Stock Distributed

Under the Clarke-McNary Act, Section 4

Fiscal Year 1972

State and Commonwealth	Federal Allotment	State Expenditures	Number of Trees Distributed
Alabama-----	-	\$166,296	56,360,000
Arizona-----	\$3,000	3,018	80,000
Arkansas-----	-	(¹)	26,000,000
California-----	12,000	281,784	4,434,000
Colorado-----	9,500	9,500	745,000
Connecticut-----	1,415	7,116	1,036,000
Delaware-----	2,500	16,000	886,000
Florida-----	-	337,852	64,385,000
Georgia-----	-	141,870	40,456,000
Hawaii-----	800	102,892	390,000
Idaho-----	19,400	28,184	880,000
Illinois-----	2,000	176,613	5,192,000
Indiana-----	-	218,054	4,962,000
Kansas-----	12,000	56,050	968,000
Kentucky-----	-	262,730	7,475,000
Louisiana-----	-	75,327	36,324,000
Maine-----	-	57,651	1,737,000
Maryland-----	3,271	40,600	5,672,000
Michigan-----	-	40,500	6,880,000
Minnesota-----	5,000	467,737	13,470,000
Mississippi-----	-	510,944	49,348,000
Missouri-----	-	256,598	5,101,000
Montana-----	4,415	4,415	1,469,000
Nebraska-----	10,000	21,035	1,728,000
Nevada-----	12,000	48,816	129,000
New Hampshire-----	-	20,670	808,000
New Jersey-----	2,500	23,601	608,000
New Mexico-----	12,000	20,578	135,000
New York-----	3,238	8,046	11,501,000
North Carolina-----	-	412,452	35,667,000
North Dakota-----	12,000	59,849	1,115,000
Ohio-----	-	424,116	15,591,000
Oklahoma-----	9,000	60,538	3,898,000
Oregon-----	-	(¹)	8,568,000
Pennsylvania-----	-	407,638	10,011,000
Rhode Island-----	2,000	5,655	138,000
South Carolina-----	-	110,347	20,553,000
South Dakota-----	12,000	35,125	940,000
Tennessee-----	-	88,862	15,916,000
Texas-----	5,000	80,609	14,187,000
Utah-----	12,000	25,776	286,000
Vermont-----	-	(¹)	575,000
Virginia-----	-	87,727	52,621,000
West Virginia-----	-	73,489	6,386,000
Wisconsin-----	1,700	352,101	16,827,000
Wyoming-----	3,327	3,327	190,000
Guam-----	2,500	3,762	10,000
Puerto Rico-----	-	(¹)	359,000
Total-----	\$174,566	\$5,635,850	552,997,000

¹Information not available.

Funds and Quantity of Forest and Windbarrier Planting Stock Distributed

Under the Clarke-McNary Act, Section 4

Fiscal Year 1973

State and Commonwealth	Federal Allotment	State Expenditures	Number of Trees Distributed
Alabama-----	29,000	\$464,674	65,784,000
Arizona-----	3,000	8,366	124,000
Arkansas-----	-	80,512	32,606,000
California-----	-	¹ 280,000	5,132,000
Colorado-----	9,500	10,500	984,000
Connecticut-----	1,400	13,838	934,000
Delaware-----	2,500	17,374	1,108,000
Florida-----	-	409,818	61,169,000
Georgia-----	-	224,606	47,403,000
Hawaii-----	-	¹ 100,000	308,000
Idaho-----	17,800	23,102	981,000
Illinois-----	1,000	133,731	5,170,000
Indiana-----	4,000	40,053	5,372,000
Kansas-----	27,000	64,930	1,137,000
Kentucky-----	-	320,700	10,031,000
Louisiana-----	-	361,966	34,226,000
Maine-----	3,800	39,604	445,000
Maryland-----	-	78,725	3,710,000
Michigan-----	-	41,432	4,346,000
Minnesota-----	-	297,491	12,279,000
Mississippi-----	-	412,594	54,183,000
Missouri-----	-	35,859	5,926,000
Montana-----	4,400	6,679	1,106,000
Nebraska-----	10,000	39,448	1,577,000
Nevada-----	16,000	21,068	94,000
New Hampshire-----	2,000	24,883	763,000
New Jersey-----	2,500	35,308	685,000
New Mexico-----	12,000	24,462	149,000
New York-----	6,800	349,407	7,668,000
North Carolina-----	-	248,166	40,090,000
North Dakota-----	12,000	48,987	704,000
Ohio-----	-	478,460	12,637,000
Oklahoma-----	9,000	53,403	3,651,000
Oregon-----	-	¹ 1,500	4,344,000
Pennsylvania-----	2,000	443,847	7,350,000
Rhode Island-----	2,000	2,996	186,000
South Carolina-----	-	184,104	26,936,000
South Dakota-----	12,000	21,443	847,000
Tennessee-----	-	66,106	16,812,000
Texas-----	5,000	52,808	24,821,000
Utah-----	12,000	19,475	334,000
Vermont-----	-	30,893	324,000
Virginia-----	-	27,979	53,513,000
Washington-----	-	¹ 1,500	4,467,000
West Virginia-----	-	98,344	4,968,000
Wisconsin-----	1,300	235,670	12,960,000
Wyoming-----	3,000	3,000	211,000
Guam-----	2,500	6,220	14,000
Puerto Rico-----	-	(²)	521,000
Total-----	\$213,500	\$5,986,024	581,090,000

¹Estimates.

²Information not available.

Planting Stock Available for Forest and Windbarrier Planting

State and Commonwealth	Planting Stock Produced, Fiscal Year 1972				Area Planted or Seeded Fiscal Year 1972 Acres
	Federal Nurseries	State Nurseries	Other	Total	
	Thousands	Thousands	Thousands	Thousands	
Alabama-----	-	59,065	10,910	69,975	141,698
Alaska-----	-	-	-	-	30
Arizona-----	-	34	-	34	3,274
Arkansas-----	-	26,000	-	26,000	43,375
California-----	14,856	4,470	349	19,675	63,170
Colorado-----	4,523	1,279	-	5,802	9,048
Connecticut-----	-	1,420	-	1,420	1,722
Delaware-----	-	903	-	903	928
Florida-----	-	64,385	47,000	111,385	171,432
Georgia-----	-	44,027	45,000	89,027	132,645
Hawaii-----	-	392	-	392	810
Idaho-----	21,170	787	-	21,957	27,165
Illinois-----	-	5,062	-	5,062	8,650
Indiana-----	-	5,109	-	5,109	8,982
Iowa-----	-	1,243	-	1,243	2,384
Kansas-----	-	-	-	-	3,207
Kentucky-----	-	8,852	2,400	11,252	23,789
Louisiana-----	-	37,912	9,495	47,407	89,062
Maine-----	-	2,475	-	2,475	2,183
Maryland-----	-	5,675	-	5,675	7,215
Massachusetts-----	-	-	-	-	20
Michigan-----	6,385	10,425	8,259	25,069	24,664
Minnesota-----	5,056	13,720	1,540	20,316	30,926
Mississippi-----	25,254	50,143	26	75,423	110,522
Missouri-----	-	6,783	215	6,998	12,548
Montana-----	-	1,548	280	1,828	24,841
Nebraska-----	1,334	-	-	1,334	5,489
Nevada-----	-	65	-	65	260
New Hampshire-----	-	1,025	-	1,025	767
New Jersey-----	-	408	-	408	1,039
New Mexico-----	-	-	-	-	2,245
New York-----	-	11,736	-	11,736	11,668
North Carolina-----	-	38,427	8,138	46,565	57,159
North Dakota-----	-	1,115	5,180	6,295	8,053
Ohio-----	-	16,623	-	16,623	21,001
Oklahoma-----	-	4,136	-	4,136	6,629
Oregon-----	3,342	22,496	20,715	46,553	157,330
Pennsylvania-----	-	10,640	-	10,640	31,499
Rhode Island-----	-	-	-	-	218
South Carolina-----	-	23,678	10,994	34,672	57,747
South Dakota-----	-	1,058	-	1,058	6,229
Tennessee-----	-	17,619	18,004	35,623	19,396
Texas-----	-	14,800	15,000	29,800	64,539
Utah-----	-	303	-	303	1,785
Vermont-----	-	575	-	575	655
Virginia-----	-	51,304	8,742	60,046	97,829
Washington-----	20,425	14,400	45,500	80,325	134,072
West Virginia-----	-	7,749	-	7,749	22,800
Wisconsin-----	-	17,900	1,500	19,400	23,204
Wyoming-----	-	-	-	-	4,143
Guam-----	(¹)	(¹)	(¹)	(¹)	(¹)
Puerto Rico-----	-	359	-	359	388
Virgin Islands-----	-	2	-	2	7
Total-----	102,345	608,093	259,247	969,719	1,680,171

¹ Information not available.

and Area Planted or Seeded, Fiscal Years 1972 and 1973

Planting Stock Produced, Fiscal Year 1973					
Federal Nurseries	State Nurseries	Other	Total	Area Planted or Seeded Fiscal Year 1973	Total Forest and Wind- barrier Plantings Since 1926
(Thousands)	(Thousands)	(Thousands)	(Thousands)	(Acres)	(Acres)
-	72,380	16,226	88,606	163,235	2,454,600
-	-	-	-	40	5,236
-	-	-	-	4,724	38,050
-	32,606	-	32,606	63,892	769,274
20,773	4,377	275	25,425	65,418	742,816
4,634	1,630	-	6,264	8,288	214,140
-	1,523	-	1,523	1,711	68,411
-	1,123	-	1,123	996	17,937
-	61,169	28,521	89,690	154,129	3,523,405
-	50,507	20,659	71,166	95,074	3,231,920
-	308	-	308	556	131,791
22,037	851	-	22,888	32,368	462,709
-	5,920	-	5,920	7,242	249,114
-	5,274	-	5,274	10,217	258,573
-	1,395	-	1,395	2,821	106,772
-	-	-	-	3,583	276,766
-	10,007	4,419	14,426	27,721	363,099
-	33,716	8,088	41,804	71,430	2,184,678
-	2,004	-	2,004	1,068	74,226
-	3,710	-	3,710	4,662	148,546
-	-	-	-	7	113,131
6,236	4,346	-	10,582	20,536	1,787,374
4,166	12,305	1,314	17,785	29,941	973,058
21,608	55,115	170	76,893	114,825	2,347,644
-	7,384	50	7,434	13,621	290,195
-	1,175	235	1,410	28,880	308,974
1,532	-	-	1,532	4,393	452,480
-	89	-	89	200	7,893
-	923	-	923	715	64,624
-	685	-	685	1,160	63,934
-	-	-	-	4,533	54,052
-	7,738	-	7,738	7,797	1,377,024
-	43,290	25,966	69,256	88,030	1,332,712
-	727	4,767	5,494	15,680	261,959
-	13,297	-	13,297	18,318	513,987
-	3,839	-	3,839	14,723	181,681
3,974	19,006	21,300	44,280	182,759	2,682,278
-	7,853	-	7,853	29,732	1,237,672
-	-	-	-	222	38,324
-	31,043	7,878	38,921	60,060	1,790,964
-	906	-	906	4,929	294,611
-	22,845	15,888	38,733	19,019	873,115
-	26,628	18,950	45,578	97,113	1,034,490
-	321	-	321	1,749	33,334
-	324	-	324	381	84,409
-	52,176	9,691	61,867	83,457	1,116,213
21,272	17,800	33,352	72,424	146,268	1,715,034
-	5,695	-	5,695	16,215	244,854
-	14,114	1,000	15,114	19,489	1,290,291
-	-	-	-	5,187	59,276
-	521	-	521	485	108,091
-	9	-	9	37	91
-	14	-	14	55	59
106,232	638,668	218,749	963,649	1,749,691	38,055,891

Works of Improvement Installed in Watershed Protection Projects

(Pilot and Public Law 566)

Fiscal Years 1972 and 1973

Works of Improvement	Unit	Installed in--		Estimated total practices on land as of--	
		Fiscal Year 1972	Fiscal Year 1973	June 30, 1972	June 30, 1973
Land Treatment Measures:					
Channel improvement-----	Miles-----	0	5	1.5	6.5
Channel stabilization-----	Miles-----	1.1	3.3	6.4	9.7
Contour terrace and furrows-----	Miles-----	70	53	219.4	272.4
Area treated-----	Acres-----	1,412	1,150	11,026	12,176
Gully control and stabilization-----	Miles-----	17	8.5	137	145.5
Grade stabilization structures-----	Number-----	74	298	1,175	1,473
Critical area stabilization by tree planting and other measures-----	Acres-----	1,882	958	35,355	36,313
Forest road and roadbank stabilization---	Miles-----	77	137.3	999	1,136
Acres treated-----	Acres	587	477	3,210	3,687
Fire control-Roads, trails, firebreaks and fuelbreaks-----	Miles-----	21	79.6	1,011	1,091
Fire control-Water developments-----	Number-----	1	1	30	31
Fire towers-----	Number-----	0	0	8	8
Intensified fire protection-----	Acres-----	166,273	224,197	2,018,009	2,242,206
Heliports and helispots-----	Number-----	9	3	26	29
Mobile fire equipment-----	Number-----	0	2	53	55
Other fire control improvements-----	Number-----	1	0	450	450
Radio installations-----	Number-----	0	-	48	48
Forest watershed management:					
Plans prepared-----	Number-----	1,251	675	8,304	8,979
Area included-----	Acres-----	81,240	60,325	2,045,282	2,105,607
Forest stand improvement-----	Acres-----	5,558	4,039	1,041,234	1,045,273
Proper harvest cutting-----	Acres-----	29,884	21,925	344,248	366,173
Range and grass seeding-----	Acres-----	1,500	5,113	37,324	42,437
Tree planting and seeding-----	Acres-----	15,988	8,791	208,461	217,252
Revegetation, surface mined areas-----	Acres-----	120	17	1,365	1,382
Woodland thinning and release-----	Acres-----	74,410	20,658	620,179	640,837
Woodland grazing control-----	Acres-----	3,336	12,572	261,887	274,639
Recreation area development-----	Acres-----	100	3,242	1,196	4,438
Wildlife habitat development-----	Acres-----	223	9,311	7,067	16,378
Wildlife ponds-----	Number-----	8	4	35	39

Works of Improvement Installed in Flood Prevention Projects

Fiscal Years 1972 and 1973

Works of Improvement	Unit	Installed (all funds) in--		Estimated total practices on land as of--	
		Fiscal Year 1972	Fiscal Year 1973	June 30, 1972	June 30, 1973
Structural Measures:					
Access road construction-----	Miles-----	-	-	42.7	42.7
Channel improvement-----	Miles-----	-	1	11.6	12.6
Channel stabilization-----	Miles-----	1	1.5	57.6	61.1
Diversion ditches-----	Linear feet-----	-	-	4,558	4,558
Floodwater retarding structures-----	Number-----	-	1	1	2
Grade stabilization structures-----	Number-----	220	148	747	895
Streambank stabilization-----	Miles-----	-	-	9.9	9.9
Land Treatment Measures:					
Critical area stabilization by tree planting and other measures-----	Acres-----	3,271	271	279,380	279,651
Forest road and roadbank stabilization---	Miles-----	62	90	1,484	1,574
Area treated-----	Acres-----	729	578	15,683	16,251
Forest watershed management plans-----	Number-----	889	-	12,851	-
Area included-----	Acres-----	59,018	48,224	1,142,277	1,190,501
Fire control--Firebreaks and fuelbreaks--	Miles-----	204	40.4	3,009	3,050
Fire control--Roads and trails-----	Miles-----	78	8.7	355	364
Fire control--Hazard reduction-----	Acres-----	200	25	992	1,017
Fire control--Water developments-----	Number-----	1	-	156	159
Fire towers-----	Number-----	-	-	46	46
Heliports and helispots-----	Number-----	1	-	445	445
Mobile equipment-----	Number-----	-	-	116	116
Other fire improvements-----	Number-----	-	-	175	175
Permanent radio installations-----	Number-----	-	-	311	311
Proper harvest cutting-----	Acres-----	16,497	6,336	302,909	309,245
Forest stand improvement-----	Acres-----	2,828	4,457	647,394	651,851
Tree planting and seeding-----	Acres-----	21,828	6,912	425,578	432,480
Woodland thinning and release-----	Acres-----	17,236	9,214	401,670	410,884
Revegetation, surface mined areas-----	Acres-----	383	341	4,616	4,957
Woodland grazing control-----	Acres-----	1,351	1,781	174,047	175,828
Woodland owners assisted-----	Number-----	3,419	3,647	46,295	49,942

National Forest and Cooperative Pest Control Accomplishments
Fiscal Years 1972 and 1973

OAK WILT CONTROL

Ownership or management	Area surveyed--acres		Trees treated--number	
	1970	1973	1972	1973
National Forest: Monogahela (W. Va.)-----	820,000	240,000	144	71
State and private:				
North Carolina-----	2,027,000	2,027,000	-	-
Pennsylvania-----	40,000	100,000	-	-
Virginia-----	2,560,000	2,560,000	52	20
West Virginia-----	24,400,000	23,368,000	2,704	2,740
Total-----	29,847,700	28,079,000	2,900	2,831

INSECT CONTROL

Ownership or management	Bark Beetles Trees treated--number		Defoliators Area treated--acres		Other insects Area treated--acres	
	1972	1973	1972	1973	1972	1973
National Forest-----	218,099	570,041	-	121,523	470	1,355
State and private-----	220,892	1,221,964	649,849	512,093	9,668	-
Nationwide-----	438,991	1,792,005	649,849	633,616	10,138	1,355

WHITE PINE BLISTER RUST AND DWARF MISTLETOE CONTROL

Ownership or management	Blister Rust						Dwarf Mistletoe			
	Surveyed--acres		Treated--acres		Ribes eradicated--Number		Surveyed--acres		Treated--acres	
	1972	1973	1972	1973	1972	1973	1972	1973	1972	1973
National Forest-----	30,438	-	470	365	3,868	13,301	210,704	59,616	48,168	59,181
State and private----	1,102,758	524,725	26,294	33,060	458,297	496,945	3,050	551	1,397	-
Nationwide---	1,133,196	524,725	26,764	33,425	462,265	510,246	213,754	60,167	49,565	59,181

Receipts and Expenditures for the National Forest System

Fiscal Year 1972

Receipts from the sale or use of National Forest System resources amounted to \$347,926,895 in fiscal year 1972. These receipts came from the following major sources:

Timber	\$330,026,027
Mineral Leases and Permits	4,984,141
Grazing	4,858,708
Recreation-Admission & Users Fees ...	6,759,463
Other	1,298,556
Total	\$347,926,895

This total includes \$9,039,558 received from National Forest revested Oregon and California railroad grant lands. An additional \$2,079,805 was received from National Grasslands and Land Utilization areas administered under Title III of the Farm Tenant Act.

Other amounts received not listed above included \$10,944,419 contributed by cooperators and timber purchasers for cooperative work on National Forest programs; \$38,133,374 set aside for timber sale area improvements; \$18,008,351 set aside for brush disposal; \$2,340,066 from miscellaneous receipts; and \$12,220 for restoration of forest lands and improvements.

Not included in the above receipts are \$773,792 from the sale of 77,379 Federal recreation area entrance permits and \$61,847 from the sale of surplus properties. These receipts are available for appropriation by the Congress to the Land and Water Conservation Fund.

Direct receipts and deposits from all sources of National Forest programs totaled \$419,445,130. In addition, timber purchasers built roads valued at \$52,253,859 incident to timber harvest.

Other Federal agencies collected approximately \$31,775,098 for power licenses, mineral leases, and permits on National Forest land of public domain origin.

Operating expenses for National Forest programs, National Grasslands and Land Utilization Projects amounted to \$424,013,804. Depreciation of roads, trails and other improvements was estimated at \$86,842,654.

Operating Expenditures and other charges exceeded receipts and all other earnings by \$7,382,371.

Fiscal year receipts increased \$113,817,652 compared with fiscal year 1971, mainly due to increase in Timber receipts. Expenditures for fighting forest fires exceeded the 5-year average by \$20,407,764.

Expenditures for other Forest Service activities included \$38,561,291 for cooperative state and private forestry programs, and \$56,622,836 for forestry research. The Forest Service also received \$211,071 in royalties from the Smokey Bear forest fire prevention program.

Under the act of May 23, 1908, as amended, the Forest Service pays one-quarter of National Forest net receipts to States for support of schools and roads in counties containing National Forest lands. This payment in fiscal year 1972 (based on fiscal year 1971 receipts) was \$56,648,064. Arizona and New Mexico school funds also received \$69,316 under provisions of the Act of June 20, 1910. Under the act of June 22, 1948, Minnesota received \$259,038.

By law, the Service retains 10 percent of receipts from National Forest resources for development of National Forest Roads and Trails, except on revested Oregon and California railroad grant lands. The amount retained in this fund in fiscal year 1972 was \$22,661,542.

Counties containing National Grasslands and Land Utilization areas received \$529,502 for schools and roads from calendar year 1971 receipts under the Act of July 22, 1937.

Receipts and Expenditures for the National Forest System

Fiscal Year 1973

Receipts from the sale or use of National Forest System resources amounted to \$467,572,867 in fiscal year 1973. These receipts came from the following major sources:

Timber	\$446,731,054
Mineral Leases and Permits	5,452,375
Grazing	5,379,395
Recreation-Admission & Users Fees ...	8,681,831
Other	1,328,212

Total\$467,572,867

This total includes \$12,356,062 received from National Forest revested Oregon and California railroad grant lands. An additional \$2,174,667 was received from National Grasslands and Land Utilization areas administered under Title III of the Farm Tenant Act.

Other amounts received and not listed above included \$14,236,250 contributed by cooperators and timber purchasers for cooperative work on National Forest programs; \$42,591,684 set aside for timber sale area improvements; \$23,310,037 set aside for brush disposal; \$3,656,484 from miscellaneous receipts; \$27,483 for restoration of forest lands and improvements; \$17,740 from the sale of 1,774 Federal recreation area entrance permits and \$623,679 from designated area admission and user fees for construction and operation of Recreation Facilities of the Forest Service.

Not included in the above receipts is \$147,703 from the sale of surplus properties which are available for appropriation by the Congress to the Land and Water Conservation Fund.

Direct receipts and deposits from all sources of National Forest programs totaled \$554,210,891. In addition, timber purchasers built roads valued at \$67,946,011 incident to timber harvest. Other Federal agencies collected approximately \$34,114,240 for power licenses, mineral leases, and permits on National Forest land of public domain origin.

Operating expenses for National Forest programs, National Grasslands and Land Utilization Projects amounted to \$455,683,513. Depreciation of roads, trails and other improvements was estimated at \$89,442,538.

Receipts and all other earnings exceeded operating expenditures and other charges by \$111,145,091.

Fiscal year receipts increased \$152,797,055 compared with fiscal year 1972, mainly due to an increase in Timber receipts. Expenditures for fighting forest fires exceeded the 5-year average by \$13,406,422.

Expenditures for other Forest Service activities included \$42,364,466 for cooperative State and Private forestry programs, and \$58,795,024 for forestry research. The Forest Service also received \$228,373 in royalties from the Smokey Bear forest fire prevention program.

Under the act of May 23, 1908, as amended, the Forest Service pays one-quarter of National Forest net receipts to States for support of schools and roads in counties containing National Forest lands. This payment in fiscal year 1973 (based on fiscal year 1972 receipts) was \$84,676,129. Arizona and New Mexico school funds also received \$114,043 under provisions of the Act of June 20, 1910. Under the act of June 22, 1948, Minnesota received \$259,038. In fiscal year 1974 (based on fiscal year 1973 receipts) the payments under the Act of May 23, 1908, amounted to \$113,668,668. Arizona and New Mexico school funds also received \$124,307 under provisions of the Act of June 20, 1910. Under the Act of June 22, 1948, Minnesota received \$259,038.

By Law, the Service retains 10 percent of receipts from National Forest resources for development of National Forest Roads and Trails, except on revested Oregon and California railroad grant lands. The amount retained in this fund in fiscal year 1973 was \$33,871,106, and \$45,468,547 in fiscal year 1974.

Counties containing National Grassland and Land Utilization areas received \$508,864 for schools and roads from calendar year 1972 receipts under the Act of July 22, 1937. Payment to counties for such purposes from calendar year receipts will be \$586,381.

